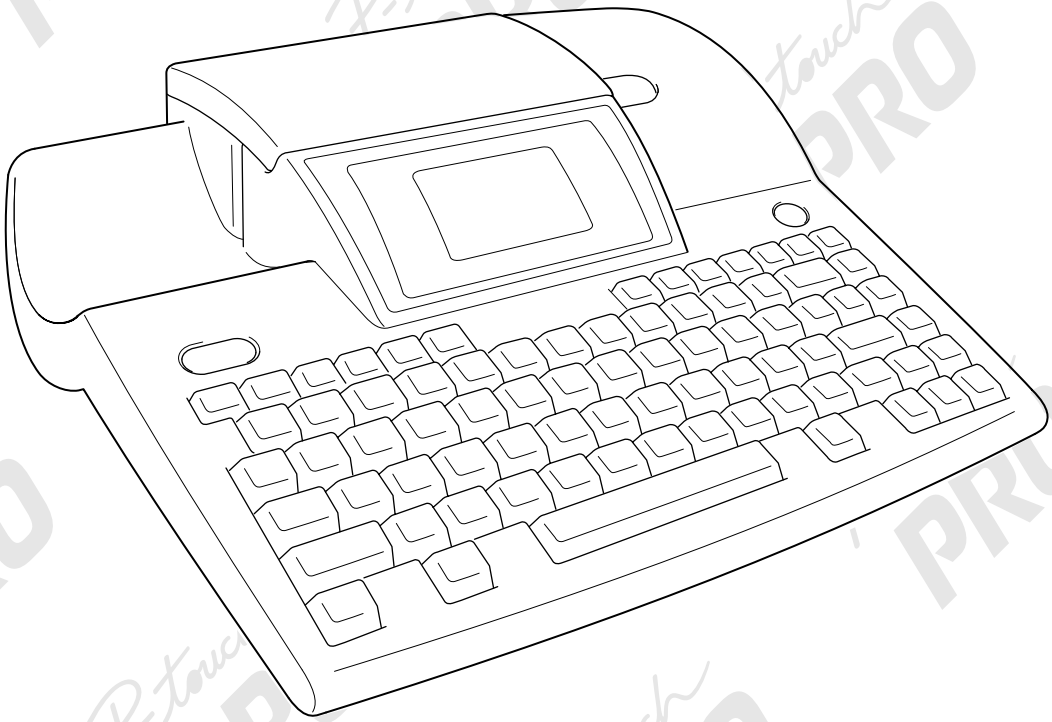
P-touch

PRO

TZ TAPE

MODEL PT-9400

USER'S GUIDE



- Read this User's Guide before you start using your P-Touch.
- Keep this User's Guide in a handy place for future reference.

brother®

PREFACE

Thank you for purchasing this P-touch!

With your new P-touch, you can create labels for any purpose. Select from a variety of frames, fonts and character styles to design beautiful custom labels. In addition, the many pre-formatted templates available make label- and stamp-making quick and easy.

Installing the P-touch Editor software on your computer will provide you with many more illustration and layout tools to design labels, which can then be printed on your P-touth.

You can print professional-looking labels in no time. The quality and performance of this P-touch make it an extremely practical machine to meet all your labelling needs.

Although this P-touch is easy to use, we suggest that you read this User's Guide carefully before starting. Keep this manual nearby for future reference.

Canadian Department of Communications Compliance Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled “Digital Apparatus”, ICES-003 of the Department of Communications.

Switching the language of the displays between English and French

Refer tp page 59 for details on switching the language used in the displays between English and French.

☞ *The default setting is English.*

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QUICK REFERENCE

Entering text

Adding a space	Space bar
Adding a capital letter	Shift + desired character
Adding a series of capital letters	Caps → Type character
Adding an accented character	Alt → Type character → ← or → to select → New Block
Adding a symbol	a) Symbol → ↑ or ↓ to select **SYMBOL NO.** → New Block → ↑ or ↓ to select (or type) symbol number → New Block b) Symbol → ↑ or ↓ to select symbol category → New Block → ←, →, ↑, or ↓ to select symbol number → New Block
Adding a new line	New Block
Adding a new block	Code + New Block
Adding a barcode	Barcode → Type barcode data → New Block
Adding a special character to the barcode	Barcode → Symbol → ↑ or ↓ to select special character → New Block
Changing a barcode parameter	Barcode → Format → ↑ or ↓ to select parameter → → → ↑ or ↓ to select setting → New Block → New Block

Editing text

Zooming in and out	Zoom Image
Deleting text	Back Space Clear
Clearing all of the text and formats	Code + Back Space Clear → ↑ or ↓ to select **TEXT & FORMATS** → New Block
Clearing only the text	Code + Back Space Clear → ↑ or ↓ to select **TEXT ONLY** → New Block
Selecting an area of the text	Area All → ←, →, ↑ or ↓ to select text
Selecting all of the text	Code + Area All
Copying text	Area All → ←, →, ↑ or ↓ to select text → Copy &Paste
Pasting text	Copy text → ←, →, ↑ or ↓ to position cursor → Copy &Paste → ↑ or ↓ to select **OK** → New Block

Formatting text

Changing the font	Font
Changing the character size	Size
Changing the character width	Width
Changing the character style	Style
Changing the italic setting	Italic
Changing the line effects	A / A
Changing the vertical printing setting	Vert
Changing the label length	Format → ↑ or ↓ to select **LENGTH** → → → ↑ or ↓ to select (or type) setting → New Block
Changing the margins	Format → ↑ or ↓ to select **MARGIN** → → → ↑ or ↓ to select setting → New Block
Changing the horizontal alignment	Format → ↑ or ↓ to select **H.ALI** → → → ↑ or ↓ to select setting → New Block
Changing the pitch	Format → ↑ or ↓ to select **PITCH** → → → ↑ or ↓ to select setting → New Block
Changing the background	a) Format → ↑ or ↓ to select **BACK** → → → ↑ or ↓ to select design → New Block b) Format → ↑ or ↓ to select **BACK** → → → ↑ or ↓ to select **SMALL** or **LARGE** → New Block → type text → Font to select font and New Block → New Block

Using a template

Creating a label or stamp from a template	a) Templt → ↑ or ↓ to select **TEMPLATE NO.** → New Block → ↑ or ↓ to select (or type) template number → New Block → Type line of text and New Block → Continue with ❶, ❷, ❸, ❹ or ❺ b) Templt → ↑ or ↓ to select template category → New Block → ↑ or ↓ to select template number → New Block → Type line of text and New Block → Continue with ❶, ❷, ❸, ❹ or ❺
❶ Changing the style of the template	↑ or ↓ to select **CHANGE STYLE** → New Block → → → ↑ or ↓ to select setting → New Block → New Block
❷ Editing the template text	↑ or ↓ to select **CONTINUE** → New Block → Change the text → New Block
❸ Printing a template other than one from the **STAMP** category	↑ or ↓ to select **PRINT** → New Block → ↑ or ↓ to select **OK** → New Block

Changing the print options (for a template other than one from the **STAMP** category)	↑ or ↓ to select **PRINT** → New Block → ↑ or ↓ to select **OPTION** → New Block → Continue with ❻, ❼, ❽, ❾, ❿, ⓫ or ⓬
❹ Printing a template from the **STAMP** category	↑ or ↓ to select **PRINT** → New Block → ↑ or ↓ to select **PRINT STAMP** → New Block
Printing an ID label (for a template from the **STAMP** category)	↑ or ↓ to select **PRINT** → New Block → ↑ or ↓ to select **PRINT LABEL** → New Block
❺ Storing the template text	↑ or ↓ to select **FILE** → New Block → ↑ or ↓ to select **SAVE AS** or **SAVE** → New Block → ↑ or ↓ to select file name → Type file name → New Block

Storing, recalling deleting text files

Saving a file that has not been saved before	File → ↑ or ↓ to select **SAVE AS** → New Block → ↑ or ↓ to select file number → → Type file name → New Block
Saving a previously saved file	File → ↑ or ↓ to select **SAVE** → New Block → Edit file name → New Block
Recalling a previously saved file	a) File → ↑ or ↓ to select **OPEN** → New Block → ↑ or ↓ to select file number → New Block b) File → ↑ or ↓ to select **OPEN** → New Block → Type file name → New Block → ↑ or ↓ to select file → New Block
Deleting a previously saved file	a) File → ↑ or ↓ to select **DELETE** → New Block → ↑ or ↓ to select file number → New Block → ↑ or ↓ to select **OK** → New Block b) File → ↑ or ↓ to select **DELETE** → New Block → Type file name → New Block → ↑ or ↓ to select file → New Block

Printing text

Previewing the label appearance	Code + Zoom Image
Feeding and cutting 1" (25 mm) of tape	Feed & Cut
Printing using the current print options	Print → ↑ or ↓ to select **OK** → New Block
Changing the print options	Print → ↑ or ↓ to select **OPTION** → New Block → Continue with ❻, ❼, ❽, ❾, ❿, ⓫ or ⓬
❻ Printing many copies	↑ or ↓ to select **COPIES** → → → ↑ or ↓ to select (or type) number → New Block

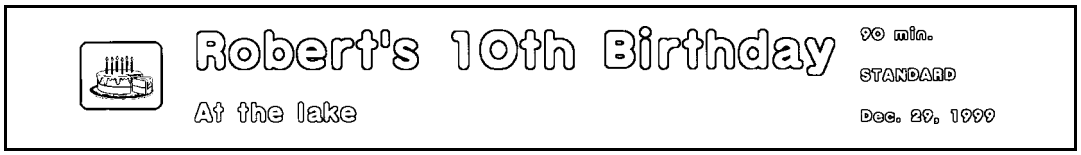
❼ Printing many copies while increasing selected text	↑ or ↓ to select **NUMBER** → → → , → , ↑ or ↓ to select start of numbering field → New Block → ← or → to select end of numbering field → New Block → ↑ or ↓ to select (or type) number → New Block
❽ Printing a mirror image of the text	↑ or ↓ to select **MIRROR** → → ↑ or ↓ to select **ON** → New Block
❾ Inverting the printed and unprinted areas	↑ or ↓ to select **INVERT** → → ↑ or ↓ to select **ON** → New Block
❿ Changing the shape of the text	↑ or ↓ to select **TRANSFORM** → → ↑ or ↓ to select setting → New Block
⓫ Changing how labels are cut	↑ or ↓ to select **CUT** → → ↑ or ↓ to select setting → New Block
⓬ Enlarging text and printing it on 2, 3 or 4 labels	↑ or ↓ to select **SPLIT** → → ↑ or ↓ to select setting → New Block

Chapter ***1***

Before You Start

EXAMPLES OF WHAT YOU CAN

Quickly create a label for a home video by using the **Template** function (⇨ p. 41). If you wish, you can then change the overall style of the text (⇨ p. 43).



With the **New Block** function (⇨ p. 16), your labels can contain sections with different numbers of lines. In this label, part of the text was formatted using a different font (⇨ p. 25) and a different style (⇨ p. 28). In addition, the **Barcode** function makes creating and printing barcodes easy.

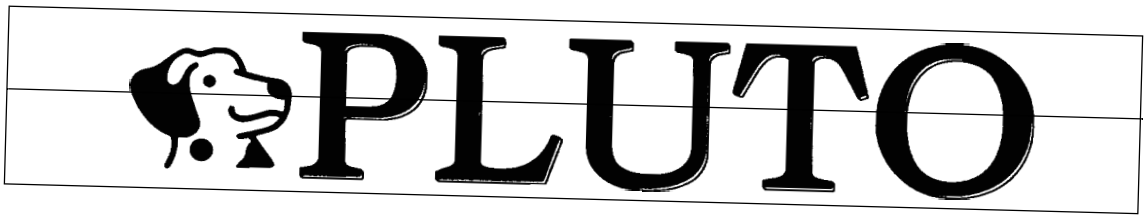
Decorate your text using the many frames and shadings (⇨ p. 32). Then, just before printing, use the **TRANSFORMATION** function (⇨ p. 54) to change the shape of the text.

Use the **NUMBER** (numbering) function (⇨ p. 50) to print several numbered labels at one time, without changing the text for each label. You can also invert the printing to make the light parts dark and the dark parts light (⇨ p. 53).

MAKE WITH THIS P-TOUCH

With the **Area** function (⇨ p. 22), you can select certain parts of the text and change their font, size and style (⇨ p. 25–31). Give your label a different look by adding one of the 13 different background designs (⇨ p. 40). The **[SMALL]** and **[LARGE]** background settings allow you to create your own background design.

Create larger labels by enlarging the text and printing it on two, three or four labels, which can then be put together (⇨ p. 56). You can decorate your label using the 475 symbols and pictures available with the **Symbol** function (⇨ p. 17).



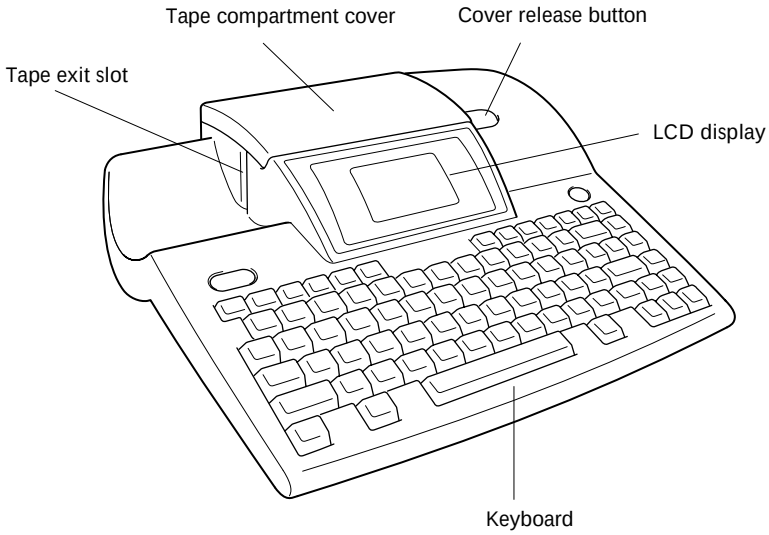
Using clear tape and the **MIRROR** function (⇨ p. 52) to print in reverse, this sign for a glass door can be read from the adhesive side. In this example, a warning symbol was added (**Symbol** function ⇨ p. 17), and the entire text was framed using the **Frame/ Shading** function (⇨ p. 32). In addition, the label was printed vertically using the **Vertical** function (⇨ p. 31).

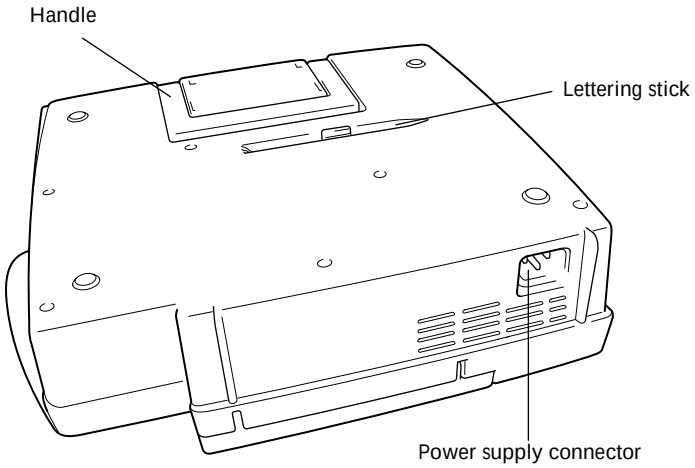
	8–12	2–6
Studio 1	Paul	Robert
Studio 2	Robert	Paul

Create a table using the **Frame/ Shading** function (⇨ p. 32) to put a box around each line of each block in the text. Then, use the **Area** function (⇨ p. 22) to format the headings of the table.

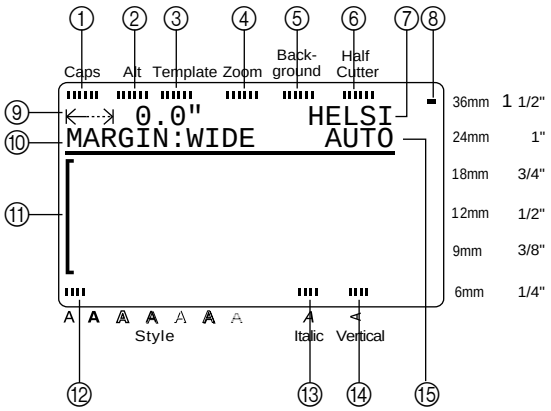
GENERAL DESCRIPTION

Features



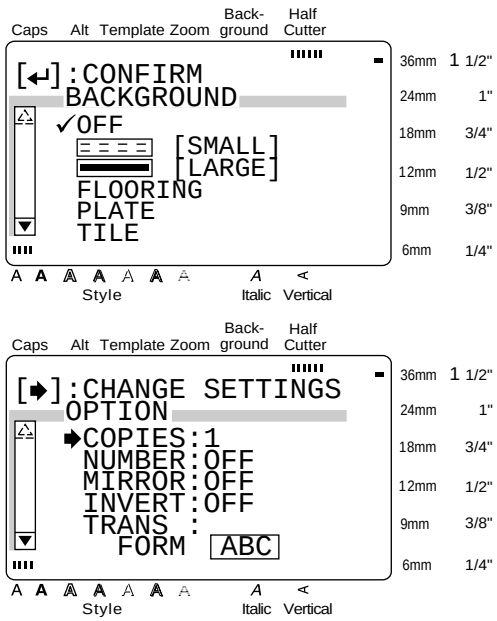


LCD display



① Caps indicator ⇨ p. 15
② Alt indicator ⇨ p. 15
③ Template indicator ⇨ p. 41
④ Zoom indicator ⇨ p. 21
⑤ Background indicator ⇨ p. 40
⑥ Half cutter indicator ⇨ p. 55
⑦ Font setting ⇨ p. 24
⑧ Tape width indicator ⇨ p. 10
⑨ Tape length setting ⇨ p. 36
⑩ Margin setting ⇨ p. 37
⑪ Cursor ⇨ p. 14
⑫ Style setting indicator ⇨ p. 28
⑬ Italic setting indicator ⇨ p. 29
⑭ Vertical printing indicator ⇨ p. 31
⑮ Character size setting ⇨ p. 25

Menus

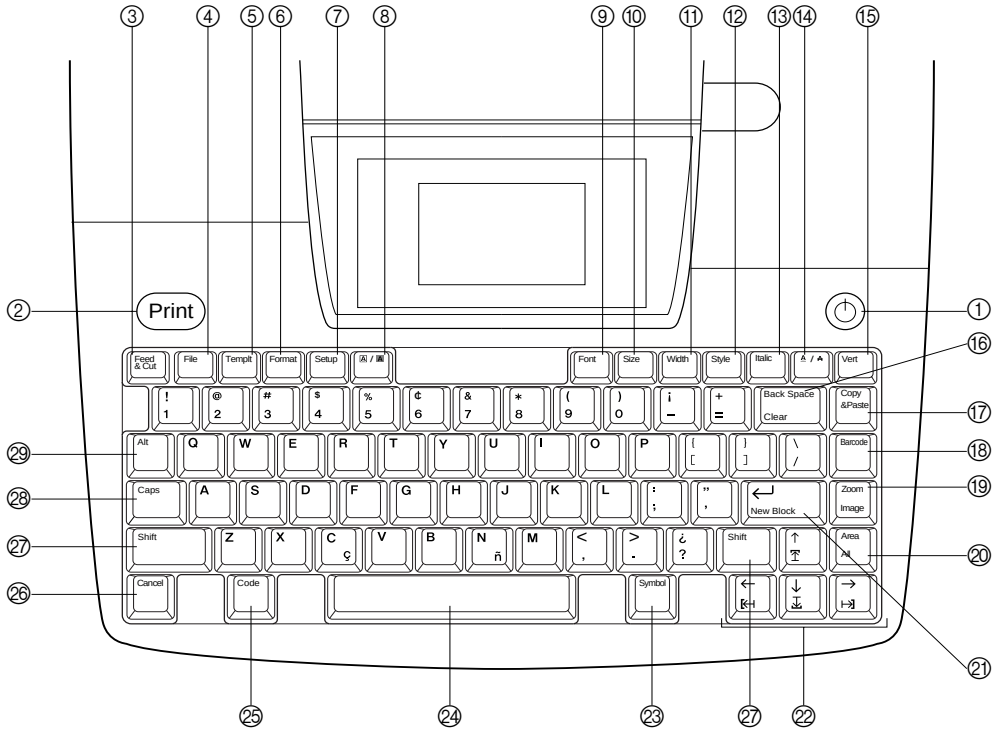


The color of the arrows on the ends of the scroll bar shows whether or not more settings are available. When the arrows are light (and), no more settings are available. When the arrows are dark (and), more settings can be seen by pressing or to move ✓ or ➔ up or down.

In menus where ✓ appears beside a setting or function, pressing New Block confirms the selection.

In menus where ➔ appears beside a function, pressing displays the menu for the selected function. On the other hand, pressing New Block confirms all of the settings displayed in the menu.

Keyboard



① ⏻ (power supply) key ⇨ p. 11
② Print key ⇨ p. 49
③ Feed & Cut key ⇨ p. 49
④ File key ⇨ p. 46
⑤ Templt (template) key ⇨ p. 41
⑥ Format key ⇨ p. 36
⑦ Setup key ⇨ p. 57
⑧ A / A (frame/shading) key ⇨ p. 32
⑨ Font key ⇨ p. 24
⑩ Size key ⇨ p. 25
⑪ Width key ⇨ p. 27
⑫ Style key ⇨ p. 28
⑬ Italic key ⇨ p. 29
⑭ A / A (line effects) key ⇨ p. 30
⑮ Vert (vertical) key ⇨ p. 31
⑯ Back Space key ⇨ p. 21
Clear function ⇨ p. 21
⑰ Copy & Paste key ⇨ p. 24
⑱ Barcode key ⇨ p. 18
⑲ Zoom key ⇨ p. 21
Image function ⇨ p. 49
⑳ Area key ⇨ p. 22
All function ⇨ p. 23
㉑ ↵ (enter) key ⇨ p. 14 & 16
New Block function ⇨ p. 16
㉒ Cursor keys ⇨ p. 14
㉓ Symbol key ⇨ p. 17
㉔ Space bar ⇨ p. 15
㉕ Code key ⇨ p. 14
㉖ Cancel key ⇨ p. 14
㉗ Shift key ⇨ p. 15
㉘ Caps key ⇨ p. 15
㉙ Alt key ⇨ p. 15

Chapter **2**

Getting Started

PRECAUTIONS

- **Use only Brother TZ tapes with this machine. Do not use tapes that do not have the TZ TAPE mark.**
- Before installing a tape cassette, be sure that the tape is correctly fed under the tape guides.
- Do not pull on the tape being fed from the P-touch. Doing so may damage the tape cassette.
- Avoid using the machine in extremely dusty places. Keep it out of both direct sunlight and rain.
- Do not expose the machine to extremely high temperatures or humidity.
- Do not leave any rubber or vinyl on the machine for an extended period of time. Doing so may cause staining.
- Do not clean the machine with alcohol or other organic solvents. Only use a soft, dry cloth.
- Do not put any foreign objects into or heavy objects on the machine.
- To avoid injuries, do not touch the cutter's edge.
- Use only the power supply cord designed exclusively for this machine. Use of any other cord will void the warranty.
- When the machine is not being used for a long period of time, disconnect the power supply cord.
- A blank horizontal line appearing in a printed label may indicate that there is dust on the print head. Clean the print head by gently wiping up and down along the print head with a dry cotton swab. For more details, see page 71.
- Never try to disassemble the P-touch.

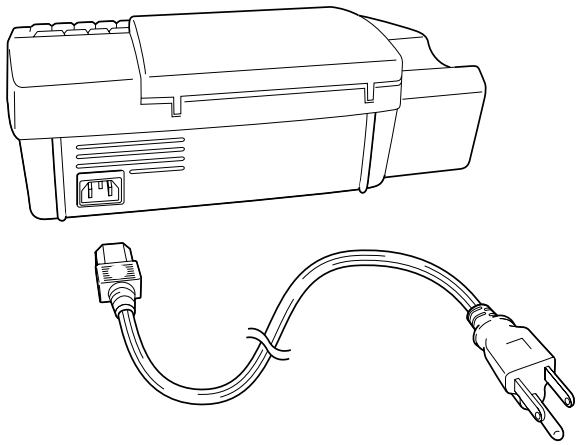
Connecting the power supply cord

This P-touch can be used anywhere a standard electrical outlet is available.

❶ Insert the plug on the end of the power supply cord into the power supply connector on the back of the P-touch.

❷ Insert the pronged plug on the other end of the power supply cord into an AC outlet.

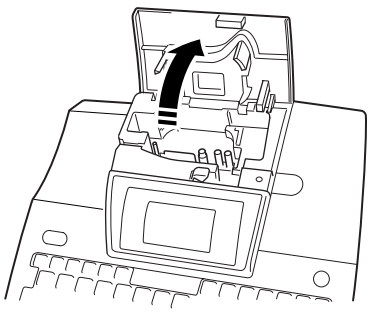
NOTE
Only use the power supply cord designed exclusively for this machine.



Installing a TZ tape cassette

A TZ tape cassette is supplied with this P-touch. TZ tape cassettes are available for this machine in a wide variety of colors and sizes, making it possible to make distinctive color-coded and stylized labels. In addition, this machine has been designed to allow you to change the tape cassettes quickly and easily.

❶ Press the cover release button, and then lift open the tape compartment cover.

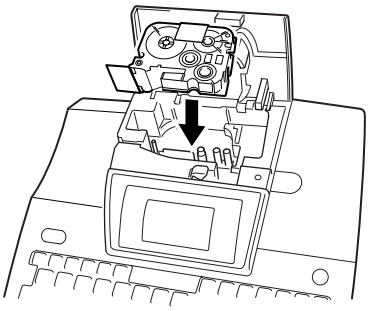


❷ If a tape cassette is already installed and you wish to replace it, remove it by pulling it straight out.

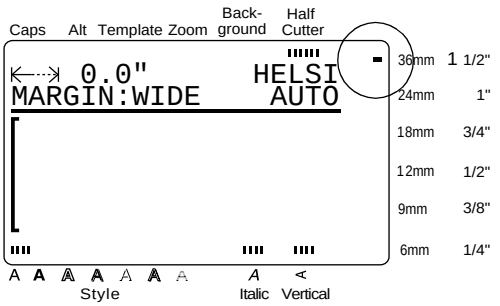
❸ If the ink ribbon is loose in the tape cassette to be installed, use your finger to wind the toothed wheel in the direction of the arrow on the cassette until there is no slack in the ribbon. Also, **make sure that the end of the tape feeds under the tape guides**.

❹ Insert the tape cassette firmly into the compartment, making sure that the entire back of the cassette touches the bottom of the compartment.

NOTE
When inserting the tape cassette, make sure that the ink ribbon does not catch on the corner of the metal guide.



❺ Close the compartment cover and press the power supply key (⏻) to turn on the machine if it is off. The width of the currently installed tape is shown by the tape width indicator on the right edge of the display.



❻ Press Feed & Cut once to remove any slack in the tape and cut off the excess.

Turning on & off the P-touch

The power supply key (⏻) is located in the top right corner of the machine's keyboard. This P-touch will automatically turn off if no key is pressed or no operation is performed for 30 minutes. In addition, if it has remained plugged in, the previous session's text is displayed when you turn it on again.

- Press ⏻ to turn on or turn off the P-touch.

Chapter 3

Functions

Performing basic operations

Although most functions can be used just by pressing their keys, the following keys may be needed with certain functions.

Code ([Code])

To use a function printed in yellow on a key, hold down [Code] while pressing the key for the function that you wish to use.

Enter ([New Block])

To select a function from a menu or an item from a list, or to apply the selected setting, press [New Block].

Cancel ([Cancel])

To quit a function without applying any changes that you may have made, press [Cancel].

Cursor keys

The four cursor keys ([←], [→], [↑], and [↓]) can be used to perform two operations: to move the cursor, which appears as either a bracket ([) or an underline (_), or to make a selection.

[→] (right)

- To move the cursor one space or character to the right, press [→] once. If the cursor is at the end of a line when this key is pressed, the cursor moves to the beginning of the next line.
- To move the cursor to the end of the current line of text, hold down [Code] and press [→].
- To move the cursor to the beginning of the next text block, hold down [Shift] and press [→].
- To select the item on the right in a list, press [→].

[←] (left)

- To move the cursor one space or character to the left, press [←] once. If the cursor is at the beginning of a line when this key is pressed, the cursor moves to the end of the previous line.
- To move the cursor to the beginning of the current line of text, hold down [Code] and press [←].
- To move the cursor to the beginning of the current text block, hold down [Shift] and press [←]. If the cursor is already at the beginning of a text block when these keys are pressed, the cursor moves to the beginning of the previous block.
- To select the item on the left in a list, press [←].

[↑] (up)

- To move the cursor to the character in the line directly above the cursor's current position, press [↑] once.
- To move the cursor to the beginning of the entire text, hold down [Code] and press [↑].
- To select the item above in a menu or list, press [↑].

[↓] (down)

- To move the cursor to the character in the line directly below the cursor's position, press [↓] once.
- To move the cursor to the end of the entire text, hold down [Code] and press [↓].
- To select the item below in a menu or list, press [↓].

Entering text

Typing in the text for your labels is the same as typing on a typewriter or a computer. In addition, the entered text is normally displayed in WYSIWYG (what-you-see-is-what-you-get) mode, which allows you to see exactly how the label would appear if it were printed.

Space bar ( )

To add a blank space to the text, press (space bar).

Shift ( )

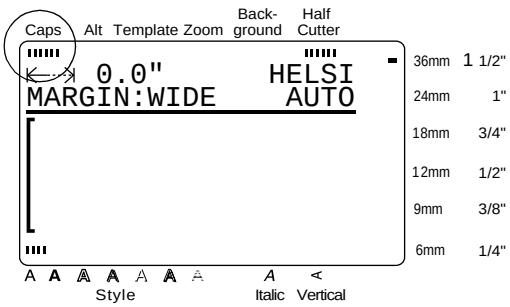
To type a capital letter or the symbol printed on the top half of certain keys, like on a typewriter or a computer, hold down Shift while pressing the key for the character that you wish to type.

Caps ( )

To type in series of capital letters without holding down Shift, **Caps** mode must be turned on. **Caps** mode can be turned on or off by pressing Caps. When **Caps** mode is on, the **Caps** indicator lights up.

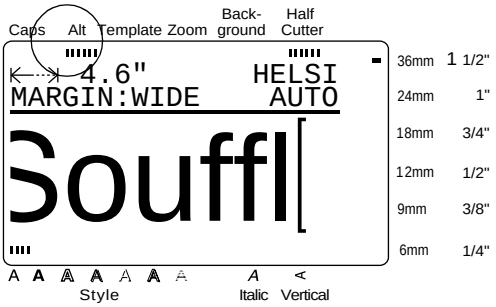
NOTE

- When a number key is pressed, the number—not the symbol above it—is typed in, unless Shift is held down.
- *To type lowercase letters while the **Caps** mode is on*, hold down Shift while pressing the key of the desired character.



Alt ( )

Accented characters or special punctuation marks can be added to the text in **Alt** mode. **Alt** mode can be turned on or off by pressing Alt. When **Alt** mode is on, the **Alt** indicator lights up.



The following table shows the available characters.

Character key	Without Shift held down, or with Caps mode off	With Shift held down, or Caps mode on
A	ä á à â ã æ a	Ä Á À Â Ã Æ A
C	ç c	Ç C
D	ð d	Ð D
E	ë é è ê ẽ e	Ë É È Ê Ẽ E
I	ï í ì î ij i	Ï Í Ì Î I
N	ñ n	Ñ N
O	ö ó ò ô õ ø œ o	Ö Ó Ò Ô Õ Ø Œ O
P	þ p	Þ P
U	ü ú ù û u	Ü Ú Ù Û U
!	! ¡ ? ¿ . , : ; " ' –	! ¡ ? ¿ . , : ; " ' –

To add an accented character or a special punctuation mark to the text:

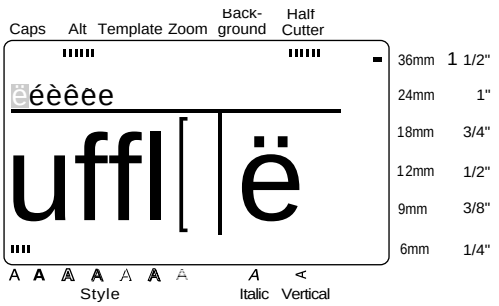
❶ Press Alt. The **Alt** indicator lights up.

❷ Press the key for the desired character.

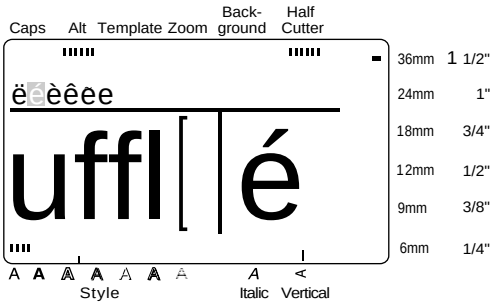
NOTE

☞ *To display capital letters*, hold down [Shift] (or press [Caps] to turn on **Caps** mode) before pressing a letter key.

☞ *To turn off the **Alt** mode without adding a character to the text*, press [Cancel] (or [Alt]) at any time



❸ Press [←] or [→] until the desired accented character or symbol is highlighted.



❹ Press [New Block]. The selected character is added to the text and **Alt** mode turns off.

NOTE

*To enter a series of characters in **Alt** mode*, hold down [Code] before pressing [New Block]. Then, continue adding characters by selecting them as explained in steps ❷ and ❸, and holding down [Code] while pressing [New Block]. Press just [New Block] after selecting the last character in the series.

Enter ([New Block])

To create a new line and move the cursor to the beginning of it, press [New Block] once you have finished entering a line of text. .

NOTE

A single block of text can only contain the maximum number of lines shown in the table below. If the block already contains the maximum number of lines when you press [New Block], the error message "LINE LIMIT" will appear.

Tape widths	Maximum number of lines that can be entered
1/4" (6 mm)	2
3/8" (9 mm)	3
1/2" (12 mm)	4
3/4" (18 mm)	6
1" (24 mm)	8
1 1/2" (36 mm)	10

New Block ([Code] + [New Block])

To change the number of lines in a section of the label, create a new block by holding down [Code] and pressing [New Block].

NOTE

☞ A single label can only contain a maximum of five blocks. If five blocks already exist when [Code] is held down and [New Block] is pressed, the error message "MAX 5 BLOCKS" will appear.

☞ *To split a text block into two so that the character on the right of the cursor is at the beginning of the second block,* position the cursor in the middle of the block, and then hold down [Code] and press [New Block].

Functions

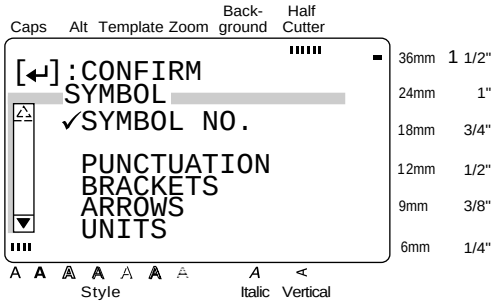
Symbol (Symbol)

In addition to the letters, symbols and numerals on the key tops, there are 475 additional symbols and pictures available with the **Symbol** function. After these symbols or pictures are added to the text, they can be deleted like any other character and some can be formatted using certain text format functions (see pages 24 through 31).

A table of the available symbols can be found on pages 76 through 79.

To add a symbol or picture to the text:

❶ Press Symbol.



❷ Press ↑ or ↓ until ✓ moves beside either **SYMBOL NO.** or the desired category name.

NOTE

☞ *To return to the previous screen without keeping any changes*, press Cancel.

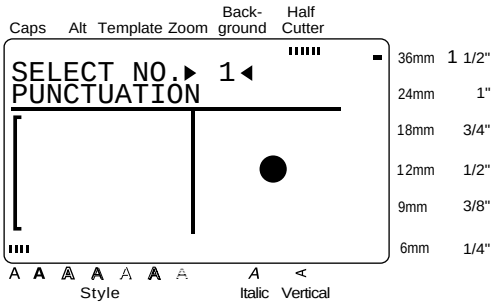
☞ *To return to the text without adding a symbol*, press Symbol at any time.

❸ Press ↵ New Block.

❹ Select the desired symbol.

If **SYMBOL NO.** was selected:

Type in a symbol number (or press ↑ or ↓) until the desired symbol is displayed. The name of the category containing the selected symbol is shown in the second line at the top of the display.



If a category was selected:

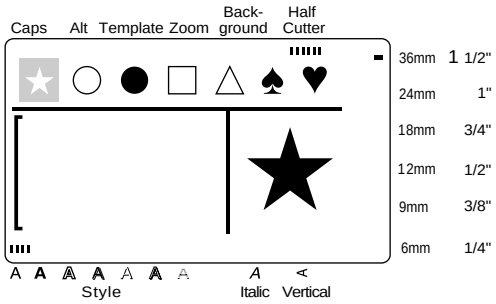
Press ↑ or ↓ until the desired row of symbols is selected, and then press ← or → until the desired symbol is highlighted. An enlargement of the selected symbol is shown on the right half of the display. For the numbers of symbols, refer to the list of symbols in the *Appendix*.

NOTE

☞ *To select the first symbol in a different category*, hold down Shift and press ↑ or ↓.

☞ *To select the first symbol*, press (space bar) (or hold down Code and press ↑).

☞ *To select the last symbol*, hold down Code and press ↓.



❺ Press [↵ New Block]. The selected symbol is added to the text.

NOTE

☞ *To enter a series of symbols*, hold down [Code] before pressing [↵ New Block]. Then, continue adding characters by selecting them as explained in steps ❷ through ❹, and holding down [Code] while pressing [↵ New Block]. Press just [↵ New Block] after selecting the last symbol in the series.

☞ Some symbols typed into templates (**Template** function) and backgrounds (**BACKGROUND** function of the **FORMAT** menu) appear on the display as "☒". *To view an enlargement of the symbol*, move the cursor below it, and then press [Zoom Image].

Barcode ([Barcode])

The **Barcode** function allows you to add your desired barcode to your label. In addition, the various barcode parameters enable you to create custom barcodes.

NOTE

☞ This section will explain how to enter a barcode into your text. It is not intended as a comprehensive introduction to the concept of barcoding. For more detailed information, please consult one of the many reference books available.

☞ Since this machine is not specifically designed for special barcode label-making, some barcode readers may not be able to read the labels.

☞ Barcodes should be printed on white labels with black ink.

☞ It is recommended that barcodes be printed with the **MARGIN** function (**FORMAT** menu) set to **WIDE** and the barcode **WIDTH** parameter set to **WIDE**; otherwise, barcodes may be difficult to read.

To create a barcode:

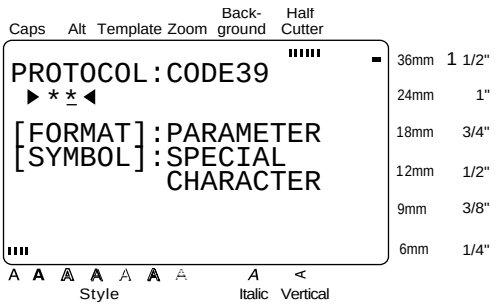
❶ Press [Barcode].

NOTE

☞ *To change the data or parameters of a barcode that has already been added to the text*, position the cursor in the middle of the barcode mark before pressing [Barcode].

☞ *To return to the previous screen without keeping any changes*, press [Cancel].

☞ *To return to the text without adding a barcode*, press [Barcode] at any time.



To change the barcode parameters:

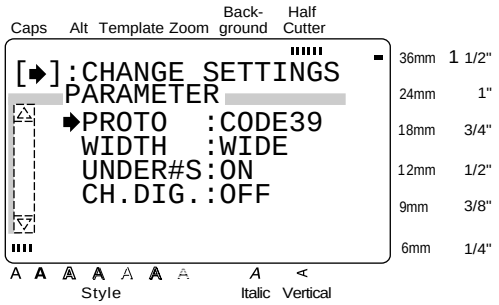
❷ Press [Format]. All or some of the following parameters can be set.

PROTO (protocol)

WIDTH (bar width)

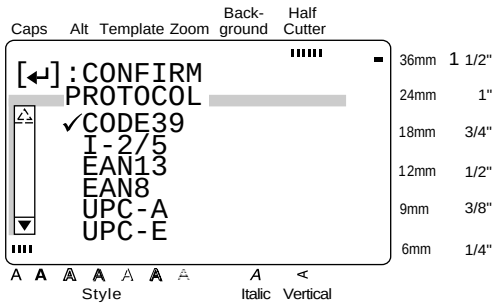
UNDER#S (numbers printed below barcode)

CH.DIG. (check digit)



❸ Press [↑] or [↓] until ➔ moves beside the parameter that you want to change.

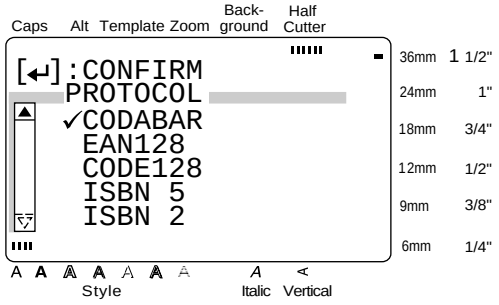
❹ Press [→]. The available settings are displayed.



❺ Press [↑] or [↓] until ✓moves beside the desired setting.

NOTE

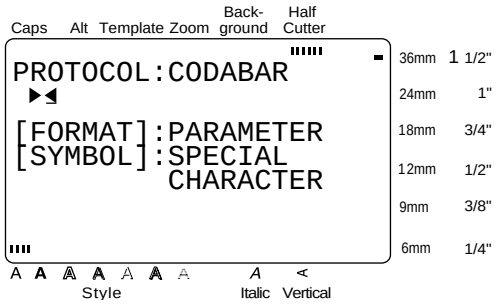
To select the default setting, press [ ] (space bar).



❻ Press [New Block] to confirm the setting and return to the **PARAMETER** menu.

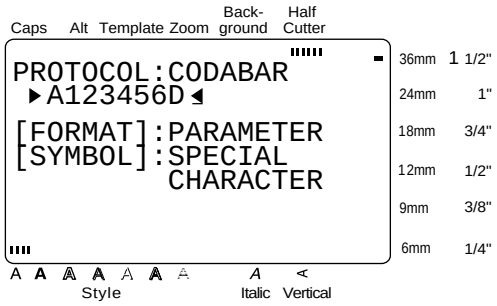
❼ Repeat steps ❸ through ❻ until all parameters are set as you wish.

❽ Press [New Block] to apply the settings.



To enter the barcode data:

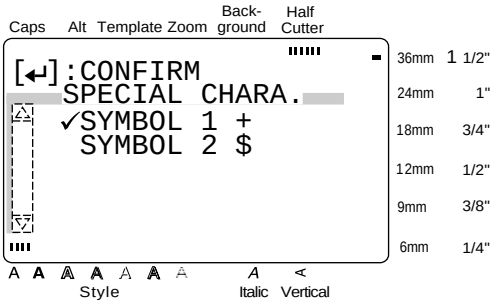
❾ Type in the barcode data.



To add special characters to barcodes (only with protocols EAN128, CODE128, CODE39 or CODABAR):

❿ Press ← or → until the cursor is below the character on the right of where you want to add the special character.

⓫ Press Symbol.



⓬ Press ↑ or ↓ until ✓moves beside the special character that you want to add.

NOTE

Refer to page 80 for tables of the special characters that are available.

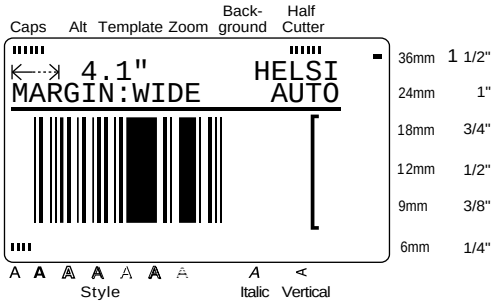
⓭ Press New Block. The selected special character is added to the barcode data.

To add the barcode to the text:

⓮ Press New Block.

NOTE

To delete a barcode, move the cursor to the center or the right of the barcode and press Back Space Clear. When the message "OK TO CLEAR BARCODE?" appears, press ↑ or ↓ until ✓moves beside **OK**, and then press New Block. *To return to the text without deleting the barcode*, press Cancel (or move ✓beside **CANCEL**, and then press New Block).



Functions

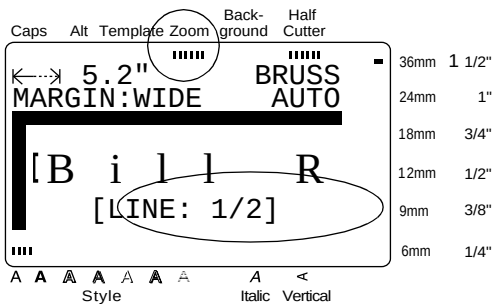
Editing text

Zoom (Zoom Image)

To view text that is too small to be read on the display, the **Zoom** mode must be turned on, making it easier to edit the text. **Zoom** mode can be turned on or off by pressing Zoom Image. When the **Zoom** mode is on, the **Zoom** indicator lights up. In **Zoom** mode, the top, bottom, and left edge of the label are shown by dark lines and the current line number is shown at the bottom of the display.

NOTE

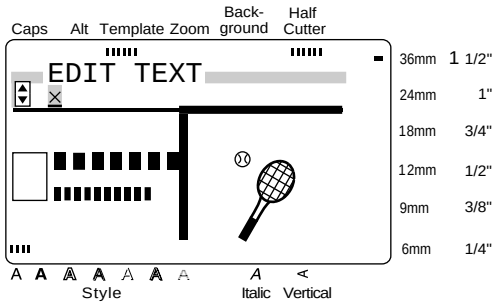
- Use the cursor keys to move around the text.
- *To return to WYSIWYG mode*, press Cancel (or Zoom Image).



In addition, pressing Zoom Image while typing text into templates (**Template** function) and backgrounds (**BACKGROUND** function of the **FORMAT** menu) displays an enlargement of the character above the cursor. This allows you to view symbols which appear on the display as " ☒ ".

NOTE

To return to editing the text, press any key



Back Space (Back Space Clear)

To remove the character in the text that is to the left of the cursor's current position, press Back Space Clear.

Each time Back Space Clear is pressed, one character is deleted. If the cursor is at the beginning of a line or a block when Back Space Clear is pressed, the current line or block is joined with the previous one.

Clear (Code + Back Space Clear)

Once you have printed your text, you will need to erase the display so that you can design a new one. With the **Clear** function, you can select whether all of the text and all of the format settings, or just the text and its text format settings will be erased.

NOTE

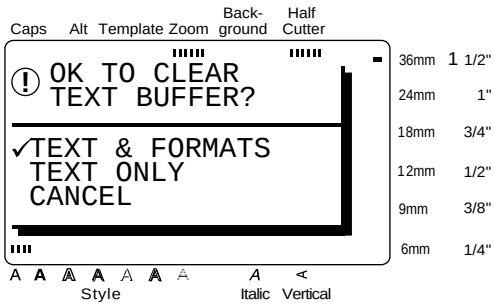
The cursor can be located anywhere in the text.

To erase all of the text and formats:

❶ Hold down Code and press Back Space Clear.

NOTE

To return to the text without erasing anything, press Cancel (or move ✓ beside **CANCEL** and press New Block).



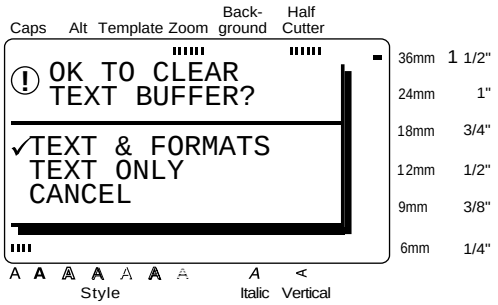
❷ Since ✓ is already beside **TEXT & FORMATS**, press [New Block]. All of the text is erased and all of the format functions are reset to their default settings.

To erase only the text:

❶ Hold down [Code] and press [Back Space Clear].

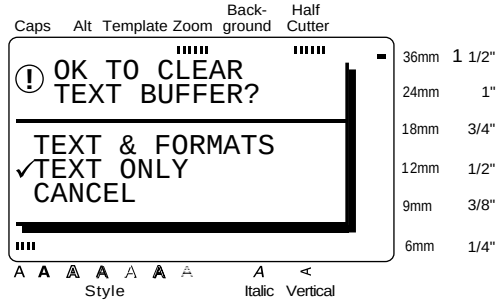
NOTE

To return to the text without erasing anything, press [Cancel] (or move ✓ beside **CANCEL** and press [New Block]).



❶ Press [↑] or [↓] until ✓ moves beside **TEXT ONLY**.

.

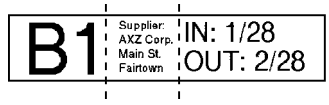


❷ Press [New Block]. The text is erased and the text format functions are reset to their default settings, but the label format functions (**FORMAT** menu) remain unchanged.

Area ([Area All])

Text formatting with the **Area** function is different from creating a new block using the **New Block** function. With the **Area** function, text within a line or group of lines can be selected so that its text formats can be changed. The selected text can also be deleted or copied and pasted in a different place in the text.

The following two labels show how these functions can be used.

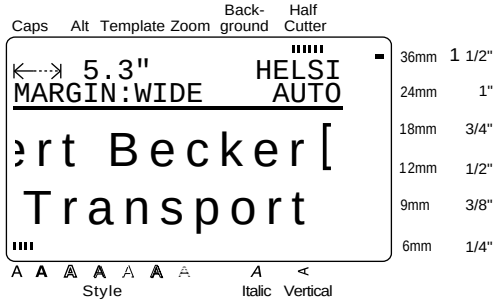


The multiple blocks in this label were created using the **New Block** function. The first block of this text contains a single line, the second contains four lines, and the third, two lines.

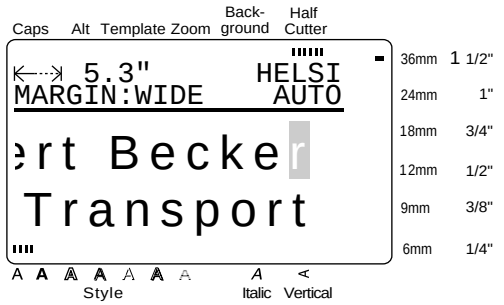
This is a single-block, single-line label with different parts of the text formatted using the **Area** function. After all of the text was typed in, section "(123) 456-7890" was selected and given a smaller character size.

To select an area of the text:

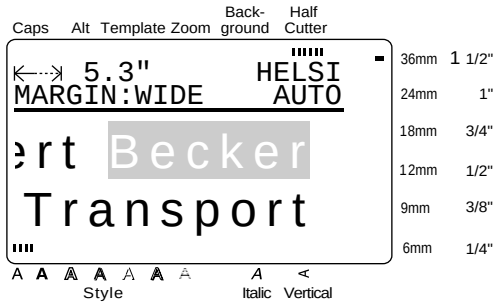
❶ Press [←], [→], [↑], or [↓] until the cursor is beside the first character that you want to select.



❷ Press [Area All]. The first character is highlighted.



❸ Press [←], [→], [↑], or [↓] until all of the characters that you want to select are highlighted.



❹ Format the text using the text format functions (see pages 24 through 31) or use the **Copy & Paste** function to copy the text and paste it into a different place in the text (see page 24).

NOTE

☞ *To deselect the text*, press [Cancel] (or [Area All]).

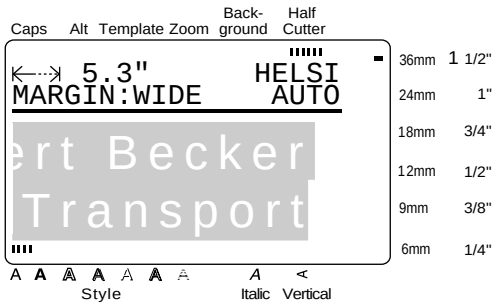
☞ *To delete the selected characters,* press [Back Space Clear]. When the message "OK TO CLEAR AREA?" appears, press [↑] or [↓] until ✓ moves beside **OK**, and then press [New Block]. *To return to the text without deleting the selected area,* press [Cancel] (or move ✓ beside **CANCEL**, and then press [New Block]).

All ([Code] + [Area All])

With the **All** function, all of the text can be selected so that it can be formatted together, deleted, or copied and pasted in another place in the text.

To select all of the text:

❶ Hold down [Code] and press [Area All]. All of the text is highlighted.



❷ Format the text using the text format functions (see pages 24 through 31) or use the **Copy & Paste** function to copy the text and paste it into a different place in the text (see page 24).

NOTE

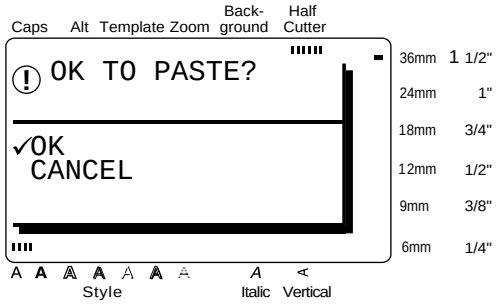
To deselect the text, press [Cancel].

Copy & Paste (Copy &Paste)

The **Copy & Paste** function is useful for copying already entered characters and pasting them into a different section of the text.

To copy and paste text:

1. Select the text that you wish to copy and paste using either the **AREA** function (see page 22) or the **ALL** function (see page 23).
2. Press Copy &Paste. The selected characters are copied, but not removed from the text.
3. Press ←, →, ↑, or ↓ until the cursor is positioned where you want to add the copied text.
4. Press Copy &Paste.



5. Press ↑ or ↓ until ✓ moves beside **OK**.
6. Press ↵ New Block. The text is added at the cursor's location.

Formatting

A variety of formatting functions are available for making more decorative labels.

The following text formatting functions can be used to change the appearance of characters: **Font**, **Size**, **Width**, **Style**, **Italic**, A / A (line effects) and **Vert** (vertical). They can be applied to part or all of the text, either before or after you have entered it.

The label formats, listed in the **FORMAT** menu, specify the general appearance of the label.

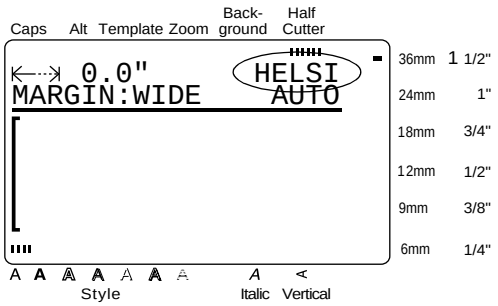
Font (Font)

With the **Font** function, you can change your text's font to one of the many that are available. Refer to the font samples on page 80. The font of the text at the cursor's current position is shown at the right end of the top line in the top of the display.

NOTE

While selecting a **Font** setting, the following operations may be used:

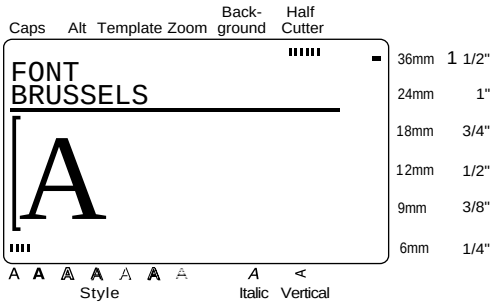
- ☞ *To display the previous setting*, hold down Code and press Font.
- ☞ *To select the default setting (**HELSINKI**)*, hold down Shift and press Font.
- ☞ *To return all text formatting functions to their default settings*, hold down Code and press (space bar).
- ☞ *To return to the text without making any changes*, press Cancel.



To change the font before entering the text:

❶ Press [←], [→], [↑], or [↓] until the cursor is moved to the point where you want to begin using a different font.

❷ Press [Font] until the desired font is selected. The current setting is shown below **FONT** at the top of the display and a sample (**A**) can be seen to the right of the cursor.

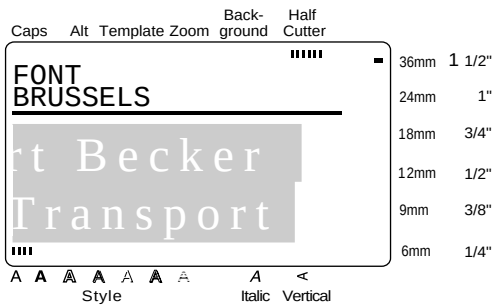


❸ Type in the new text.

To change the font of the text in a selected area:

❶ Hold down [Code] and press [Area All] to select all of the text, or press [Area All] and use [←], [→], [↑], or [↓] to select only a part of it.

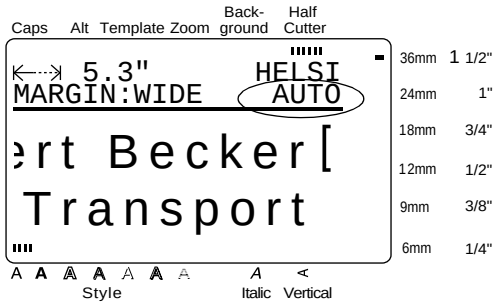
❷ Press [Font] until the text is displayed in the desired font. The current setting is shown below **FONT** at the top of the display.



❸ Press [New Block]. The selected text is displayed in the desired font.

Size ([Size])

The character size can be adjusted using the **Size** function. With the **AUTO** setting, the machine compares your text with the width of the installed tape and automatically adjusts the characters to the largest possible size. Refer to page 81 for examples of the **Size** settings. The size of the text at the cursor's current position is shown at the right end of the second line in the top of the display.



NOTE

☞ With the **AUTO** setting selected and 1/2" (12-mm), 3/4" (18-mm), 1" (24-mm) or 1 1/2" (36-mm)-wide tape installed, the size of text with just one line and not containing lowercase letters or certain symbols is printed slightly larger.

☞ If a very small text size is selected, the text may not be readable in WYSIWYG mode. When editing such small text, turn on the **Zoom** mode. For more details, refer to page 21.

☞ Since the text sizes that can be printed depends on the width of the tape, the following table shows the maximum text size that can be used with each tape width.

Tape widths	Maximum text size (in points)
1/4" (6 mm)	12
3/8" (9 mm)	18
1/2" (12 mm)	24
3/4" (18 mm)	36
1" (24 mm)	60
1 1/2" (36 mm)	72

NOTE

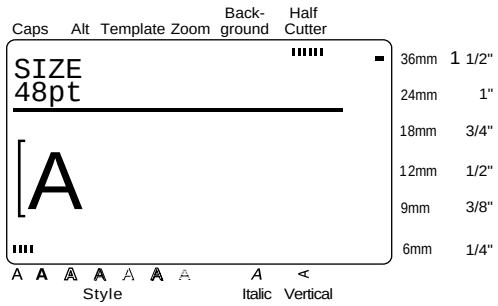
While selecting a **Size** setting, the following operations may be used:

- ☞ *To display the previous setting*, hold down [Code] and press [Size].
- ☞ *To select the default setting (**AUTO**)*, hold down [Shift] and press [Size].
- ☞ *To return all text formatting functions to their default settings*, hold down [Code] and press [ ] (space bar).
- ☞ *To return to the text without making any changes*, press [Cancel].

To change the text size before entering the text:

❶ Press [←], [→], [↑], or [↓] until the cursor is moved to the point where you want to begin using a different text size.

❷ Press [Size] until the desired text size is selected. The current setting is shown below **SIZE** at the top of the display and a sample (**A**) can be seen to the right of the cursor.

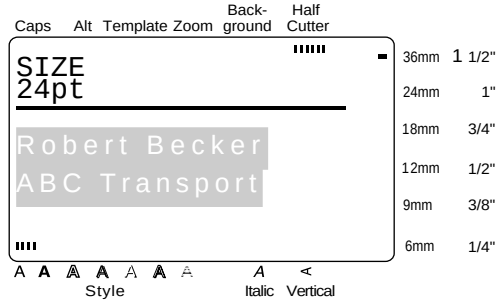


❸ Type in the new text.

To change the size of the text in a selected area:

❶ Hold down [Code] and press [Area All] to select all of the text, or press [Area All] and use [←], [→], [↑], or [↓] to select only a part of it.

❷ Press [Size] until the text is displayed in the desired text size. The current setting is shown below **SIZE** at the top of the display.



❸ Press [New Block]. The selected text is displayed in the desired text size.

Width ([Width])

The **Width** function can be used with any of the text sizes to make the size of the characters wider or more narrow. Refer to page 81 for examples of the **Width** settings.

NOTE

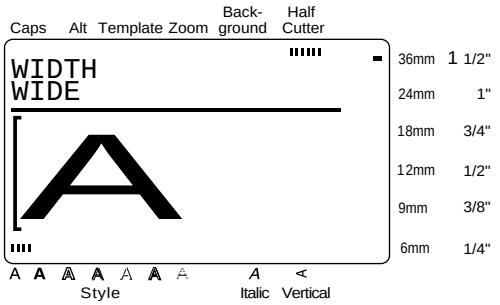
While selecting a **Width** setting, the following operations may be used:

- ☞ *To display the previous setting*, hold down [Code] and press [Width].
- ☞ *To select the default setting (**MEDIUM**)*, hold down [Shift] and press [Width].
- ☞ *To return all text formatting functions to their default settings*, hold down [Code] and press [ ] (space bar).
- ☞ *To return to the text without making any changes*, press [Cancel].

To change the width before entering the text:

❶ Press [←], [→], [↑], or [↓] until the cursor is moved to the point where you want to begin using a different text width.

❷ Press [Width] until the desired width is selected. The current setting is shown below **WIDTH** at the top of the display and a sample (**A**) can be seen to the right of the cursor.

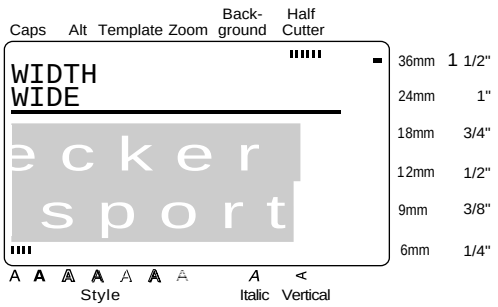


❸ Type in the new text.

To change the width of the text in a selected area:

❶ Hold down [Code] and press [Area All] to select all of the text, or press [Area All] and use [←], [→], [↑], or [↓] to select only a part of it.

❷ Press [Width] until the text is displayed in the desired width. The current setting is shown below **WIDTH** at the top of the display.



❸ Press [New Block]. The selected text is displayed in the desired text width.

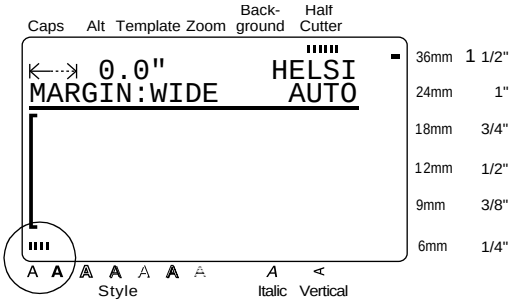
Style (Style)

You can choose from 7 different text styles to create more personalized labels. Refer to the style samples on page 82. The style of the text at the cursor's current position is shown by the **Style** indicators at the bottom of the display.

NOTE

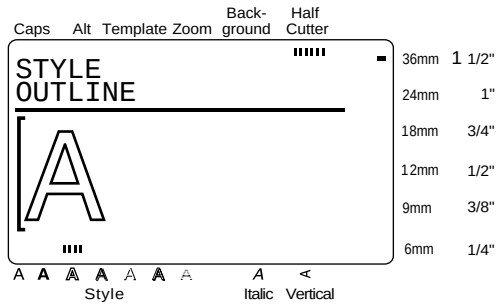
While selecting a **Style** setting, the following operations may be used:

- *To display the previous setting*, hold down Code and press Style.
- *To select the default setting (**NORMAL**)*, hold down Shift and press Style.
- *To return all text formatting functions to their default settings*, hold down Code and press (space bar).
- *To return to the text without making any changes*, press Cancel.



To change the text style before entering the text:

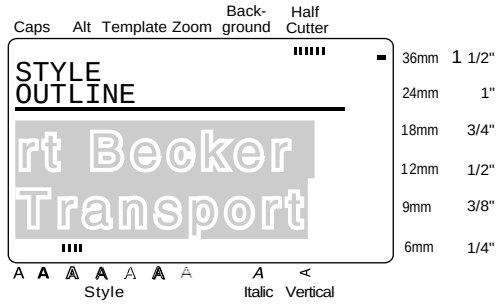
1. Press ←, →, ↑, or ↓ until the cursor is moved to the point where you want to begin using a different text style.
2. Press Style until the desired style is selected. The current setting is shown below **STYLE** at the top of the display and a sample (**A**) can be seen to the right of the cursor.



3. Type in the new text.

To change the style of the text in a selected area:

1. Hold down Code and press Area All to select all of the text, or press Area All and use ←, →, ↑, or ↓ to select only a part of it.
2. Press Style until the text is displayed in the desired style. The setting is shown below **STYLE** at the top of the display.



3. Press New Block. The selected text is displayed in the desired text style.

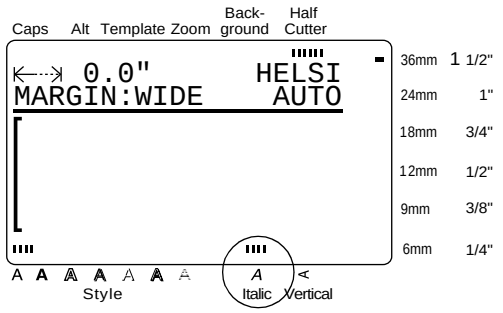
Italic ([Italic])

The **Italic** function can be combined with each of the other text format settings to provide an even larger variety of text styles. When the **Italic** function is turned on for the text at the cursor's current position, the **Italic** indicator at the bottom of the display lights up.

NOTE

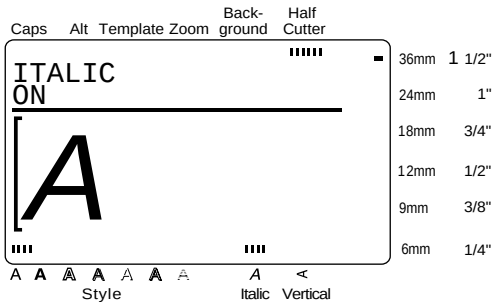
While selecting an **Italic** setting, the following operations may be used:

- *To select the default setting (**OFF**)*, hold down [Shift] and press [Italic].
- *To return all text formatting functions to their default settings*, hold down [Code] and press [ ] (space bar).
- *To return to the text without making any changes*, press [Cancel].



To change the Italic setting before entering the text:

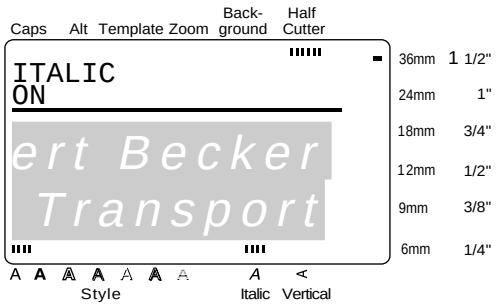
1. Press [←], [→], [↑], or [↓] until the cursor is moved to the point where you want to begin using a different **Italic** setting.
2. Press [Italic] to select either **ON** or **OFF**. The current setting is shown below **ITALIC** at the top of the display and a sample (**A**) can be seen to the right of the cursor.



3. Type in the new text.

To change the Italic setting for the text in a selected area:

1. Hold down [Code] and press [Area All] to select all of the text, or press [Area All] and use [←], [→], [↑], or [↓] to select only a part of it.
2. Press [Italic] until the text is displayed with the desired **Italic** setting. The current setting is shown below **ITALIC** at the top of the display.



3. Press [New Block]. The selected text is displayed with the desired **Italic** setting.

Line effects ([Á/A])

The **Line effects** function enables you to underline or strike out certain parts of your text.

12 34 56

OFF UNDERLINE STRIKE OUT

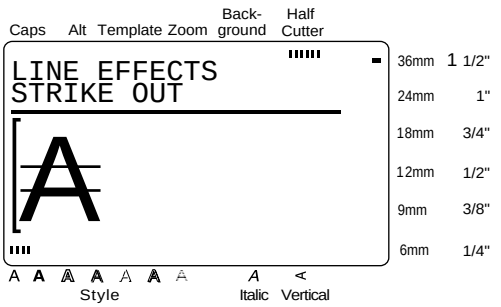
NOTE

While selecting a **Line effects** setting, the following operations may be used:

- *To display the previous setting*, hold down [Code] and press [Á/A].
- *To select the default setting (**OFF**)*, hold down [Shift] and press [Á/A].
- *To return all text formatting functions to their default settings*, hold down [Code] and press [ ] (space bar).
- *To return to the text without making any changes*, press [Cancel].

To change the Line effects setting before entering the text:

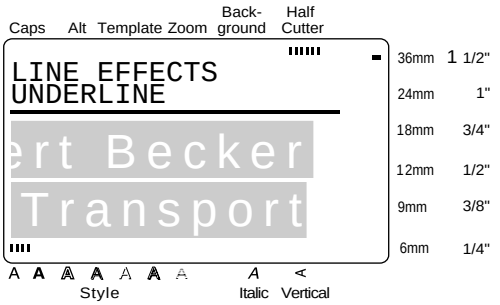
1. Press [←], [→], [↑], or [↓] until the cursor is moved to the point where you want to begin using a different **Line effects** setting.
2. Press [Á/A] until the desired setting is selected. The current setting is shown below **LINE EFFECTS** at the top of the display and a sample (**A**) can be seen to the right of the cursor.



3. Type in the new text.

To change the Line effects setting for the text in a selected area:

1. Hold down [Code] and press [Area All] to select all of the text, or press [Area All] and use [←], [→], [↑], or [↓] to select only a part of it.
2. Press [Á/A] until the text is displayed with the desired **Line effects** setting. The current setting is shown below **LINE EFFECTS** at the top of the display.



3. Press [New Block]. The selected text is displayed with the desired **Line effects** setting.

Vertical (Vert)

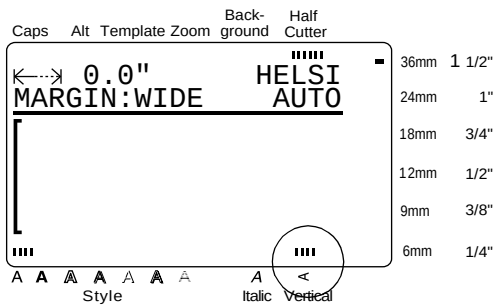
With the **Vertical** function, you can print your text vertically along the length of your label.

When the **Vertical** function is turned on for the text at the cursor's current position, the **Vertical** indicator at the bottom of the display lights up.

NOTE

While selecting a **Vertical** setting, the following operations may be used:

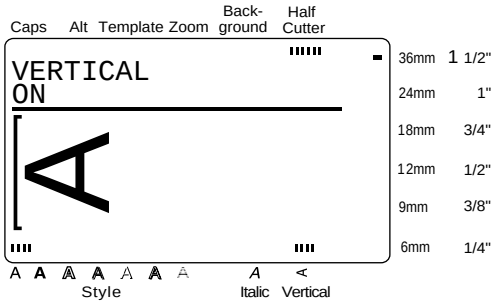
- ☞ *To select the default setting (**OFF**)*, hold down Shift and press Vert.
- ☞ *To return all text formatting functions to their default settings*, hold down Code and press (space bar).
- ☞ *To return to the text without making any changes*, press Cancel.



To change the Vertical setting before entering the text:

❶ Press ←, →, ↑, or ↓ until the cursor is moved to the point where you want to begin using a different **Vertical** setting.

❷ Press Vert to select either **ON** or **OFF**. The current setting is shown below **VERTICAL** at the top of the display and a sample (**A**) can be seen to the right of the cursor.

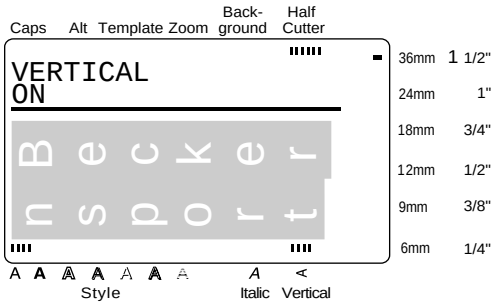


❸ Type in the new text.

To change the Vertical setting for the text in a selected area:

❶ Hold down Code and press Area All to select all of the text, or press Area All and use ←, →, ↑, or ↓ to select only a part of the text.

❷ Press Vert until the text is displayed with the desired **Vertical** setting. The current setting is shown below **VERTICAL** at the top of the display.



❸ Press New Block. The selected text is displayed with the desired **Vertical** setting.

Frame/shading ( )

You can choose from a variety of frames and shadings for emphasizing certain parts or all of the text in your label. Refer to the samples of the frames and shadings on page 83.

To apply a frame or shading to all of the text:

❶ Press .

NOTE

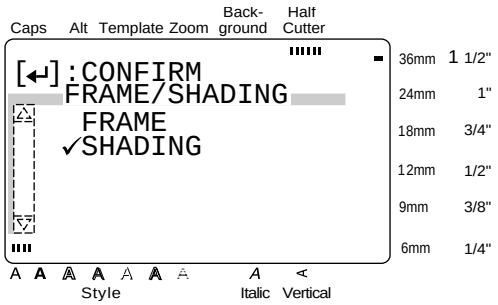
To return to the text without adding a frame or shading, press at any time.

❷ Press or until ✓ moves beside the desired setting.

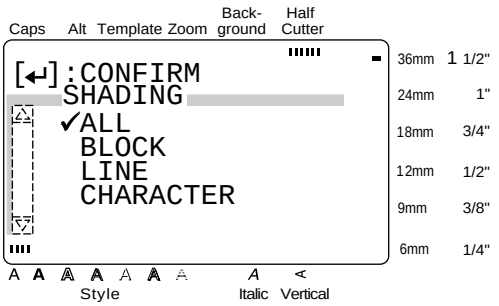
NOTE

☞ *To select the first setting in a menu*, press (space bar).

☞ *To return to the previous screen without keeping any changes*, press .

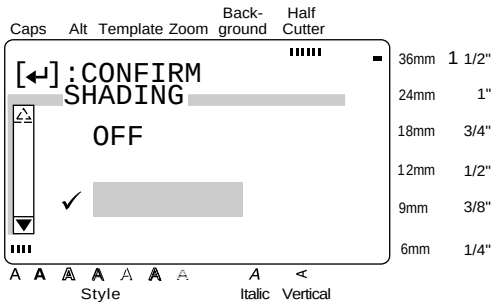


❸ Press .



❹ Since ✓ is already beside **ALL**, press .

❺ Press or until ✓ moves beside the desired frame or shading pattern.



❻ Press . The desired frame or shading is applied to all of the text.

To apply a frame or shading to selected blocks of text:

❶ Press .

NOTE

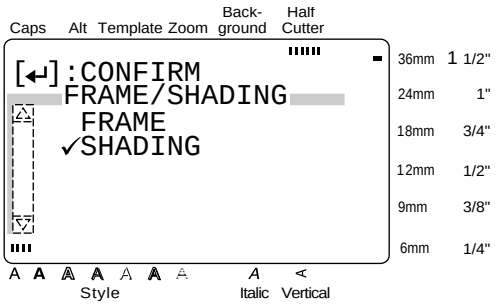
To return to the text without adding a frame or shading, press at any time.

❷ Press or until ✓ moves beside the desired setting.

NOTE

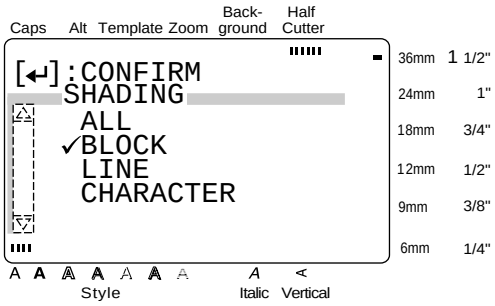
☞ *To select the first setting in a menu*, press (space bar).

☞ *To return to the previous screen without keeping any changes*, press .



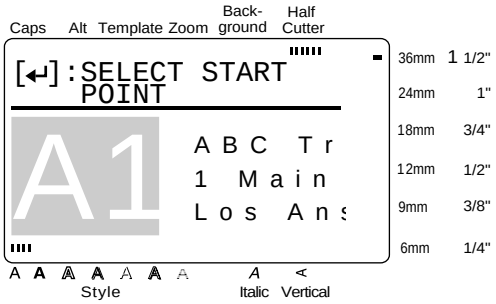
❸ Press New Block.

❹ Press ↑ or ↓ until ✓ moves beside **BLOCK**.



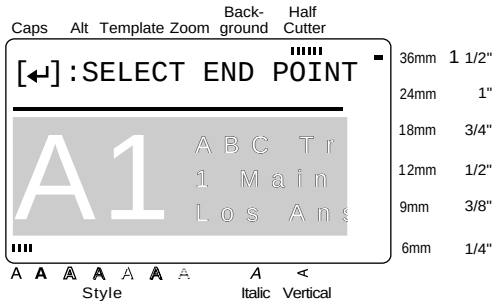
❺ Press New Block.

❻ Press ← or → until the first block that you wish to frame or shade is selected.



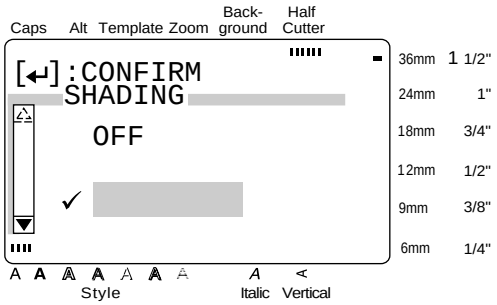
❼ Press New Block.

❽ Press ← or → until all of the blocks that you wish to frame or shade are selected.



❾ Press New Block.

❿ Press ↑ or ↓ until ✓ moves beside the desired frame or shading pattern.



⓫ Press [New Block]. The desired frame or shading is applied to the selected blocks of text.

NOTE

To delete the frame or shading, position the cursor on the left side of the frame/shading that you wish to delete, and then press [Back Space / Clear]. When the message "OK TO CLEAR FRAME/SHADING?" appears, press [↑] or [↓] until ✓ moves beside **OK** and press [New Block]. *To keep the frame/shading*, press [Cancel] (or move ✓ beside **CANCEL**, and then press [New Block]).

To apply a frame or shading to selected lines of text:

❶ Press [A/a].

NOTE

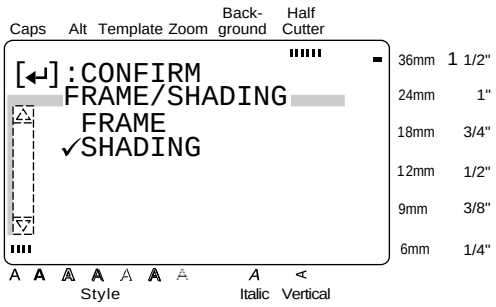
To return to the text without adding a frame or shading, press [A/a] at any time.

❷ Press [↑] or [↓] until ✓ moves beside the desired setting.

NOTE

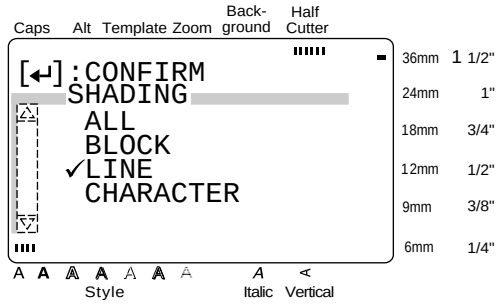
☞ *To select the first setting in a menu*, press [ ] (space bar).

☞ *To return to the previous screen without keeping any changes*, press [Cancel].



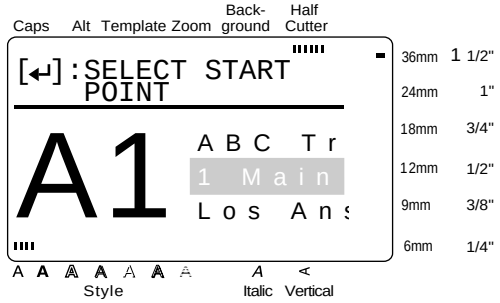
❸ Press [New Block].

❹ Press [↑] or [↓] until ✓ moves beside **LINE**.



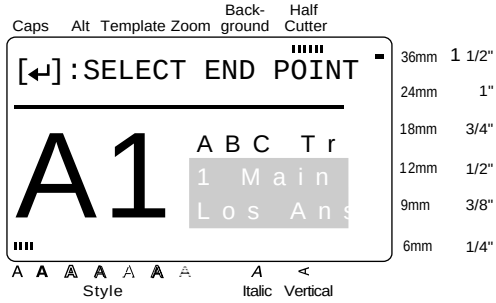
❺ Press [New Block].

❻ Press [↑] or [↓] until the first line that you wish to frame or shade is selected.



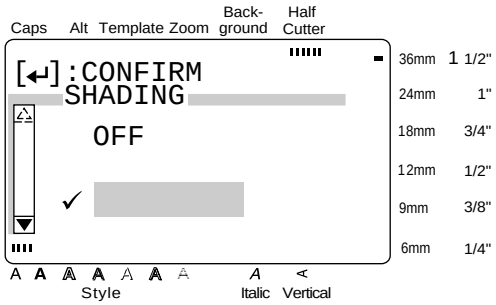
❼ Press [New Block].

❽ Press [↑] or [↓] until all of the lines that you wish to frame or shade are selected.



❾ Press [New Block] .

❿ Press [↑] or [↓] until ✓ moves beside the desired frame or shading pattern.



⓫ Press [New Block] . The desired frame or shading is applied to the selected lines of text.

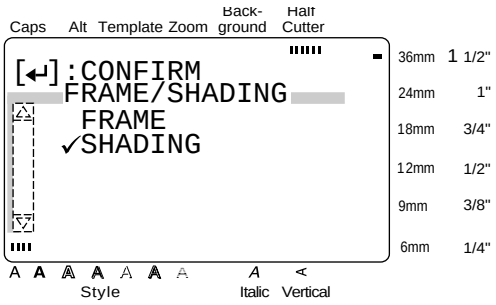
To apply a frame or shading to selected characters in the text:

❶ Press [A/a] .

NOTE
To return to the text without adding a frame or shading, press [A/a] at any time.

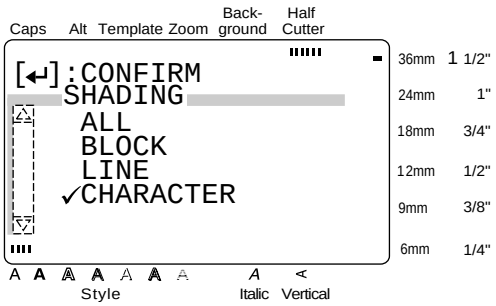
❷ Press [↑] or [↓] until ✓ moves beside the desired setting.

NOTE
☞ *To select the first setting in a menu*, press [ ] (space bar).
☞ *To return to the previous screen without keeping any changes*, press [Cancel] .



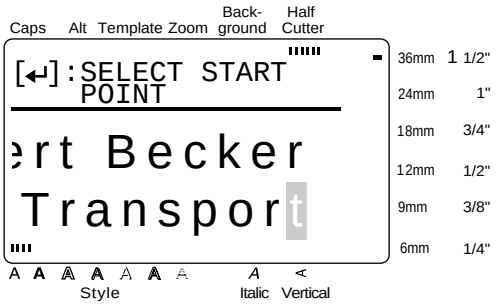
❸ Press [New Block] .

❹ Press [↑] or [↓] until ✓ moves beside **CHARACTER**.



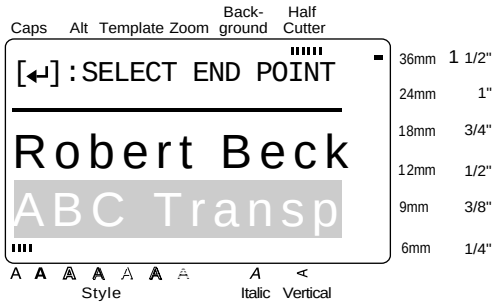
❺ Press [New Block] .

❻ Press [←], [→], [↑], or [↓] until the first character that you wish to frame or apply a shading to is selected.



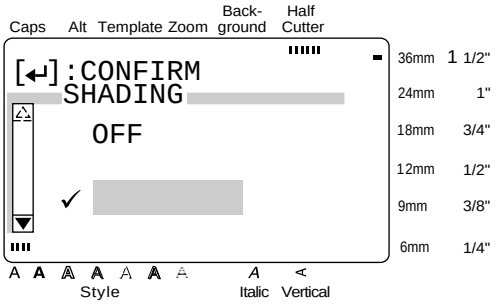
❼ Press [New Block] .

❽ Press [←], [→], [↑], or [↓] until all of the characters that you wish to frame or apply a shading to are selected.



❾ Press [New Block] .

❿ Press [↑] or [↓] until ✓ moves beside the desired frame or shading pattern.



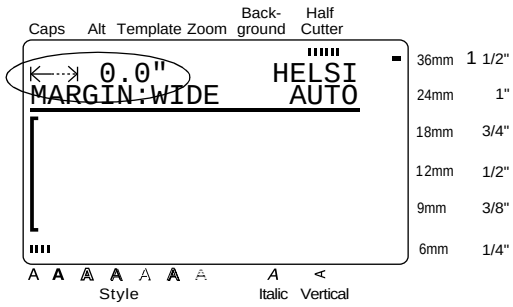
⓫ Press [New Block] . The desired frame or shading is applied to the selected characters.

Format ([Format])

Pressing the **Format** key displays a menu containing five label format functions, which can be used to change the label's general appearance.

To change the LENGTH setting:

The currently set label length is shown at the left end of the top line in the top of the display. When the arrow symbol is displayed as "⇤⇥", the label length is set to **AUTO**. When the arrow symbol is displayed as "⟷", the label length is set to a certain value.

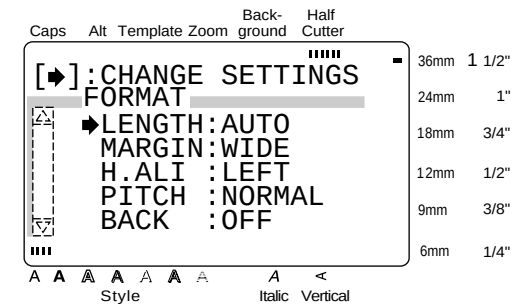


❶ Press [Format].

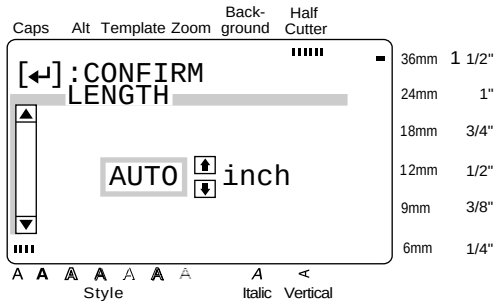
NOTE

☞ *To return to the text without making any changes*, press [Format] at any time.

☞ *To return all functions in the **FORMAT** menu to their default settings*, hold down [Code] and press [ ] (space bar).



❷ Since ➔ is already beside **LENGTH**, press [→|].



❸ Press [↑] or [↓] until the desired setting is displayed (or type in the desired length).

NOTE

☞ *To select the default setting (**AUTO**)*, press [ ] (space bar).

☞ *To return to the previous screen without keeping any changes*, press [Cancel].

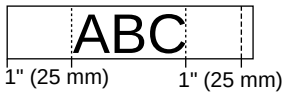
☞ *To return to the previous screen with the new setting*, press [↵ New Block] (or [←|]).

❹ Press [↵ New Block] once to confirm the setting and return to the **FORMAT** menu.

❺ Press [↵ New Block] again to apply the setting.

To change the MARGIN setting:

This function allows you to select the size of the margins on the left and right sides of your text. When **NONE**, **NARROW** or **MEDIUM** is selected, some extra tape is fed out so that the left and right margins are equal.



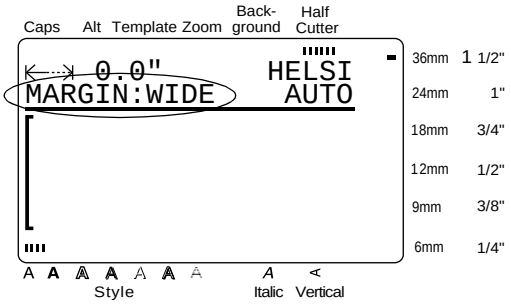
↔ABC↔ **[WIDE]**

ABC **[NONE]**

↔ABC↔ **[NARROW]**

↔ABC↔ **[MEDIUM]**

The current margin setting is shown at the left end of the second line in the top of the display.

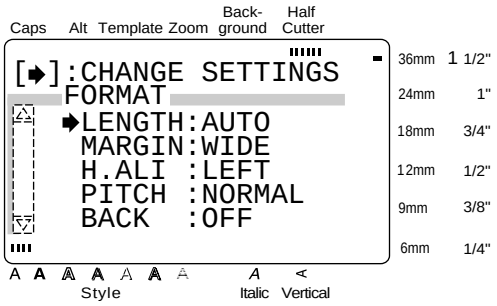


❶ Press [Format].

NOTE

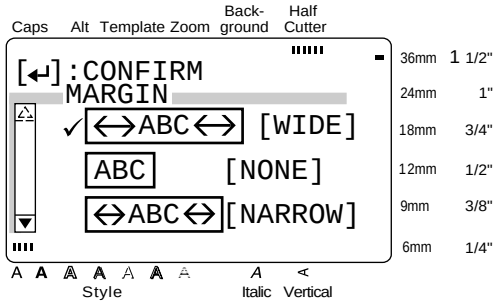
☞ *To return to the text without making any changes*, press [Format] at any time.

☞ *To return all functions in the **FORMAT** menu to their default settings*, hold down [Code] and press [ ] (space bar).



❷ Press ↑ or ↓ until ➔ moves beside **MARGIN**.

❸ Press →.



❹ Press ↑ or ↓ until ✓ moves beside the desired setting.

NOTE

☞ *To select the default setting (* ↔ABC↔ ***[WIDE]****)*, press (space bar).

☞ *To return to the previous screen without keeping any changes*, press Cancel.

☞ *To return to the previous screen with the new setting*, press New Block (or ←).

❺ Press New Block once to confirm the setting and return to the **FORMAT** menu.

❻ Press New Block again to apply the setting.

To change the H.ALI (horizontal alignment) setting:

You can choose to align the text in your label in one of four ways:

ABC
DEFGH
IJKLM ←ABC **[LEFT]**

ABC
DEFGH
IJKLM ←ABC→ **[CENTER]**

ABC
DEFGH
IJKLM ABC→ **[RIGHT]**

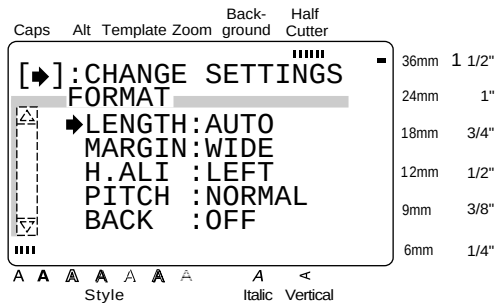
A B C
DEFGH
IJKLM ←ABC→ **[JUSTIFY]**

❶ Press Format.

NOTE

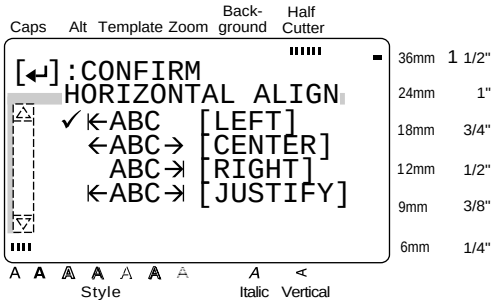
☞ *To return to the text without making any changes*, press Format at any time.

☞ *To return all functions in the **FORMAT** menu to their default settings*, hold down Code and press (space bar).



❷ Press ↑ or ↓ until ➔ moves beside **H.ALI**.

❸ Press [→|].



❹ Press [↑] or [↓] until ✓ moves beside the desired setting.

NOTE

- ☞ *To select the default setting (* ⇤**ABC [LEFT]**), press [ ] (space bar).
- ☞ *To return to the previous screen without keeping any changes*, press [Cancel].
- ☞ *To return to the previous screen with the new setting*, press [↵ New Block] (or [←]).

❺ Press [↵ New Block] once to confirm the setting and return to the **FORMAT** menu.

❻ Press [↵ New Block] again to apply the setting.

To change the PITCH setting:

With this function, you can select whether or not each character is given an equal width.

Scanner $300
Printer $600
Fax $399

HIHIHI
[NORMAL]

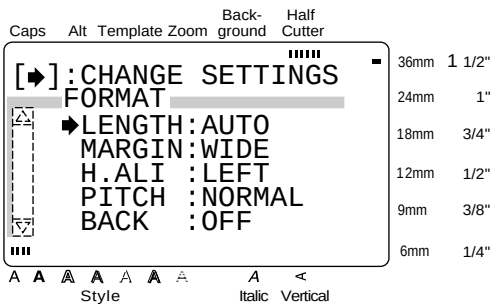
Scanner $300
Printer $600
Fax $399

HIHIHI
[FIXED]

❶ Press [Format].

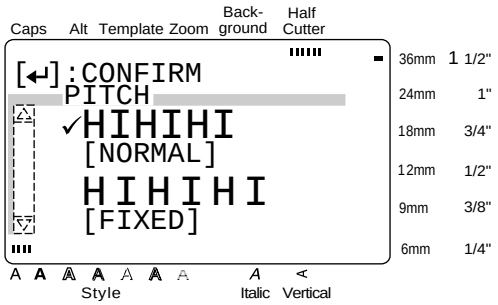
NOTE

- ☞ *To return to the text without making any changes*, press [Format] at any time.
- ☞ *To return all functions in the **FORMAT** menu to their default settings*, hold down [Code] and press [ ] (space bar).



❷ Press [↑] or [↓] until ➔ moves beside **PITCH**.

❸ Press [→|].



❹ Press [↑] or [↓] until ✓ moves beside the desired setting.

NOTE

- ☞ *To select the default setting (* **HIHIHI** ***[NORMAL]****)*, press [ ] (space bar).
- ☞ *To return to the previous screen without keeping any changes*, press [Cancel].
- ☞ *To return to the previous screen with the new setting*, press [↵ New Block] (or [←|]).

❺ Press [↵ New Block] once to confirm the setting and return to the **FORMAT** menu.

❻ Press [↵ New Block] again to apply the setting.

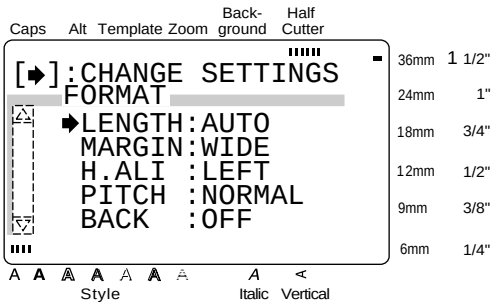
To change the BACK (background) setting:

From the many designs available, choose a background for your label. You can even create your own backgrounds using text or symbols.

❶ Press [Format].

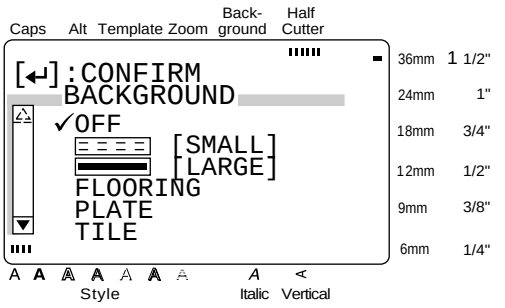
NOTE

- ☞ *To return to the text without making any changes*, press [Format] at any time.
- ☞ *To return all functions in the* ***FORMAT*** *menu to their default settings*, hold down [Code] and press [ ] (space bar).



❷ Press [↑] or [↓] until ➔ moves beside **BACK**.

❸ Press [→|].



❹ Press [↑] or [↓] until ✓ moves beside the desired setting.

NOTE

- ☞ *To select the default setting (****OFF****)*, press [ ] (space bar).
- ☞ *To return to the previous screen without keeping any changes*, press [Cancel].
- ☞ *To return to the previous screen with the new setting*, press [↵ New Block] (or [←|]).

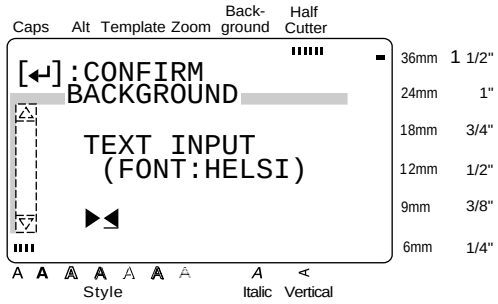
Functions

❺ Press [New Block] once to confirm the setting.

If **SMALL** or **LARGE** was selected, type in the desired text, change the font by press [Font] until the desired font setting is displayed, and then press [New Block]. The **FORMAT** menu appears again.

NOTE

- *To display an enlarged view of the character or symbol above the cursor*, press [Zoom Image]. Press any key to continue editing the text.
- *To return to the previous screen without keeping any changes*, press [Cancel].



If a pre-made background design was selected, the **FORMAT** menu appears again.

❻ Press [New Block] again to apply the setting. The **Background** indicator lights up.

Template ([Templt])

The **Template** function makes creating a label or stamp quick and easy. After selecting one of the various pre-formatted templates, simply change the text, and then it is ready to be printed. The many templates available are useful for common needs—from addressing envelopes to identifying floppy disks or audio and video cassettes. The tape width and length of each label printed from a template is preset. Refer to the samples of the available templates on pages 85 to 88.

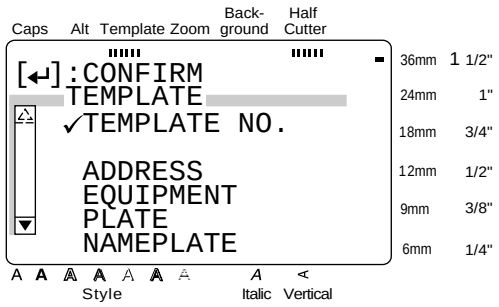
After the text is entered, the style of the text can easily be changed just by selecting one of the 7 available style formats. Refer to page 89 for samples of the style formats.

To create a label or stamp from a template:

❶ Press [Templt]. The **Template** indicator lights up.

NOTE

- If there was text in the display when the **Template** function was started, the message "OK TO CLEAR TEXT BUFFER?" appears.
  - *To delete the text*, press [↑] or [↓] until ✓ moves beside **OK**, and then press [New Block].
  - *To return to the text without deleting it*, press [Cancel] (or move ✓ beside **CANCEL**, and then press [New Block]).
- *To return to the previous screen*, press [Cancel].



❷ Select the desired template.

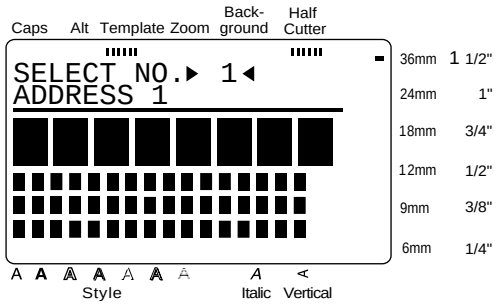
NOTE

☞ *To select the first template*, press [ ] (space bar) (or hold down [Code] and press [↑]).

☞ *To select the last template*, hold down [Code] and press [↓].

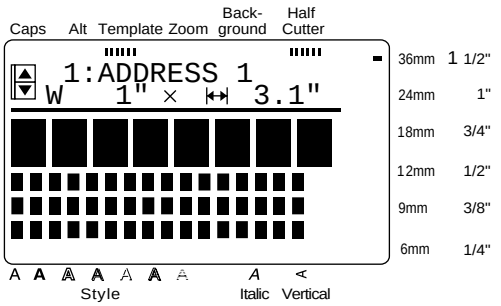
If **TEMPLATE NO.** was selected:

Type in a template number (or press [↑] or [↓]) until the desired template is displayed. The name of the selected template is shown in the second line at the top of the display.

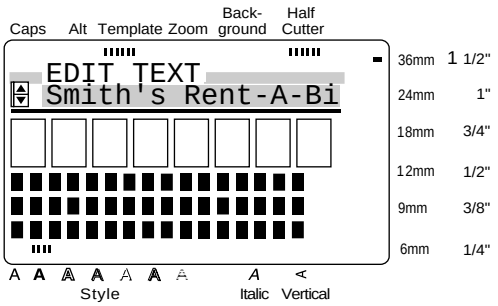


If a category was selected:

Press [↑] or [↓] until the desired template is displayed. The number and name of the current template are displayed at the top of the display and the dimensions are shown below it.



❸ Press [New Block]. The first line of the template's text is shown below **EDIT TEXT** at the top of the display. For template numbers and samples, refer to the list of templates in the *Appendix*.



❹ Type in the new text.

NOTE

☞ Symbols can also be added. Refer to pages 17 and 18 for details.

☞ *To display an enlarged view of the character or symbol above the cursor*, press [Zoom Image]. Press any key to return to editing the text.

☞ *To move the cursor through the line of text*, press [←] or [→]. *To display a different line of text,* press [↑] or [↓].

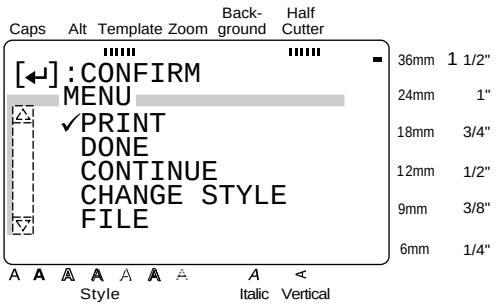
☞ *To quit using the current template and return to step* ❷, press [Cancel]. When the message "OK TO CONTINUE TEMPLATE?" appears, press [Cancel] (or move ✓ beside **CANCEL**, and then press [New Block]). *To continue using the current template*, press [↑] or [↓] until ✓ moves beside **OK**, and then press [New Block].

❺ Press [New Block] to display the next line of text in the template.

❻ Repeat steps ❹ and ❺ until all of the text that you wish to use is entered. The **MENU** appears after the last line of text in the tem plate is edited and [New Block] is pressed.

NOTE

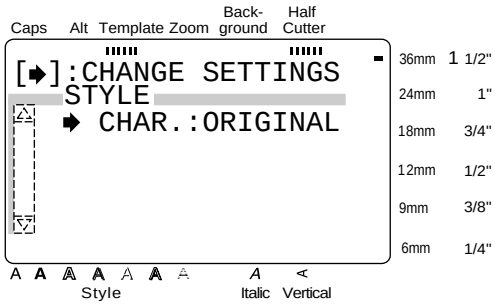
*To quit **Template** mode*, press [↑] or [↓] until ✓ moves beside **DONE**, and then press [New Block]. When the message "OK TO FINISH TEMPLATE?" appears, press [↑] or [↓] until ✓ moves beside **OK** and press [New Block]. *To return to **Template** mode*, press [Cancel] (or move ✓ beside **CANCEL**, and then press [New Block]).



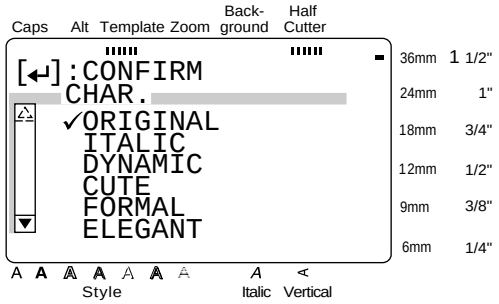
To change the style of a label or stamp created from a template:

❼ Press [↑] or [↓] until ✓ moves beside **CHANGE STYLE**.

❽ Press [New Block]. The current style setting is displayed.



❾ Press [→].



❿ Press [↑] or [↓] until ✓ moves beside the desired setting. Refer to page 89 for samples of these settings.

⓫ Press [New Block] once to confirm the setting and return to the **STYLE** menu.

⓬ Press [New Block] again to apply the setting.

To continue editing the label or stamp:

⓭ Press [↑] or [↓] until ✓ moves beside **CONTINUE**.

⓮ Repeat steps ❹ and ❺ until the text is edited as you wish. The **MENU** appears again after the last line of text in the tem-plate is edited and [New Block] is pressed.

To print a label or stamp created using a template:

⓯ Press ↑ or ↓ until ✓ moves beside **PRINT**.

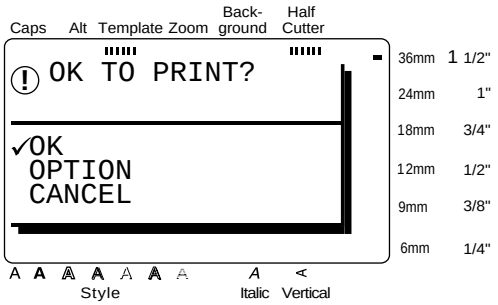
⓰ Press ↵ New Block .

NOTE

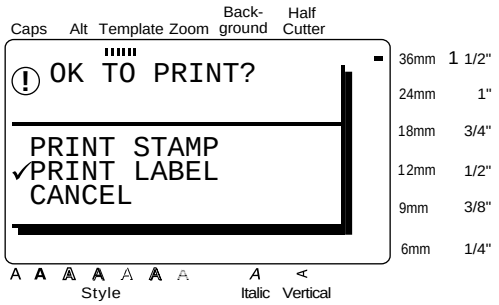
Be sure that the correct tape cassette is installed.

- *When printing a stamp*, install a stamp film cassette.
- *When printing a label*, install a label tape cassette.

If a template other than one from the **STAMP** category was used, the following display appears.



If a template from the **STAMP** category was used, the following display appears.



⓱ Press ↑ or ↓ until ✓ moves beside the desired setting.

For a label created using a template other than one from the **STAMP** category:

To print, select **OK**. Refer to page 49 for more details on printing.

To change the printing options, select **OPTION**. Refer to pages 49 through 54 for more details on the printing options.

For a stamp created using a template from the **STAMP** category:

To print out a stamp stencil, select **PRINT STAMP**.

To print an identification label, select **PRINT LABEL**.

NOTE

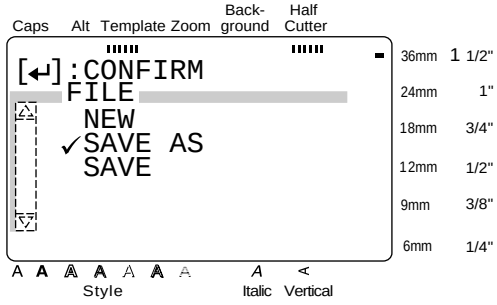
Use 1/2" (12-mm)-wide tape to make an identification label for a stamp with a STAMP M size and use 3/4" (18-mm)-wide tape to make a label for a stamp with a STAMP L size.

⓲ Press ↵ New Block .

To store the label or stamp created using a template:

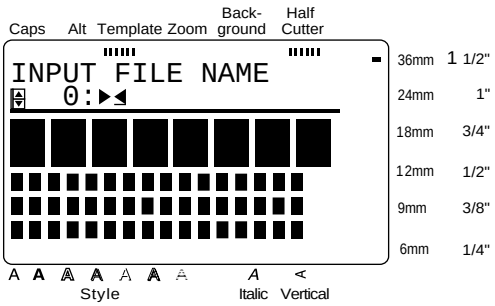
⓳ Press ↑ or ↓ until ✓ moves beside **FILE**.

⓴ Press ↵ New Block .

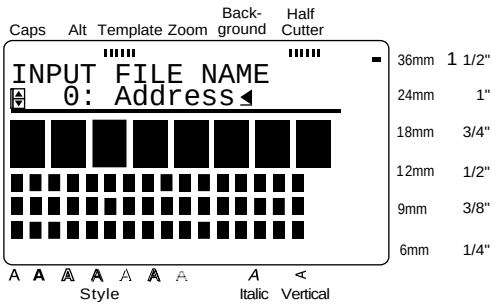


㉑ Press ↑ or ↓ until ✓ moves beside the desired setting, and then press New Block. Refer to pages 46 and 46 for more details on saving files.

If the file has not been saved before, select **SAVE AS**.



If the file has been saved before, select **SAVE**.



㉒ Type in the desired file name.

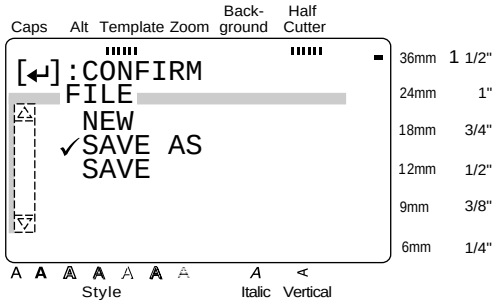
NOTE
A file name can only be up to 10 characters long.

㉓ Press New Block. The text is saved under the selected number with the entered file name.

To create another label or stamp using a different template:

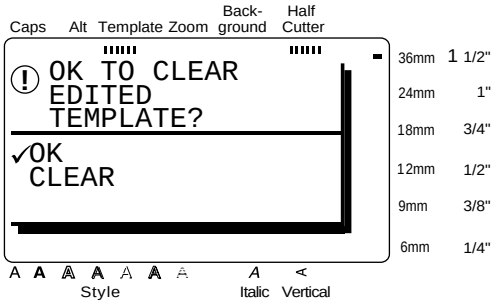
㉔ Press ↑ or ↓ until ✓ moves beside **FILE**.

㉕ Press New Block.



㉖ Press ↑ or ↓ until ✓ moves beside **NEW**.

㉗ Press New Block.



㉘ Press ↑ or ↓ until ✓ moves beside **OK**.

NOTE
*To return to the **FILE** menu without erasing the edited template*, press Cancel (or move ✓ beside **CANCEL**, and then press New Block).

㉙ Press New Block.

Storing and recalling files

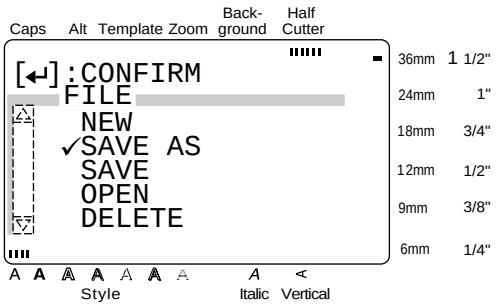
You can store frequently used text in the memory. These text files remain in the memory, even after all characters are erased from the display with the **Clear** function (see page 21).

When each file is stored, it can be given an file name so that it can be searched for. Up to 100 files or about 3,000 characters can be stored in the memory.

Since a copy of the stored text file is recalled when using the **OPEN** function, the text can be edited or printed without changing the originally stored file. However, the **SAVE** function can be used to replace the previously saved file with the new edited one. When a file is no longer needed or more space is necessary, the **DELETE** function can be used to delete it.

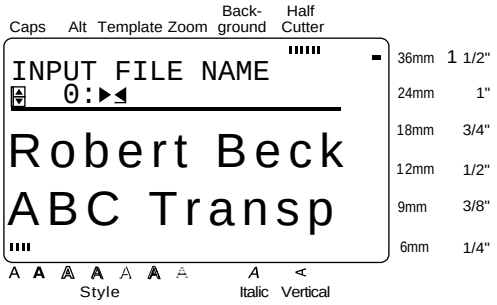
To save a file that has not been saved before:

❶ Press [File].



❷ Since ✓ is already beside **SAVE AS**, press [New Block].

NOTE
To return to the previous screen without making any changes, press [Cancel].



❸ Press [↑] or [↓] until the file number where you want to store the text is displayed.

NOTE
File numbers that are not displayed already contain a text file.

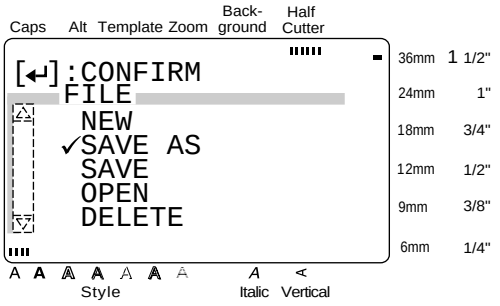
❹ Type in the desired file name.

NOTE
A file name can only be up to 10 characters long.

❺ Press [New Block]. The text is saved under the selected number with the entered file name.

To save a file that has been saved before:

❶ Press [A/a].

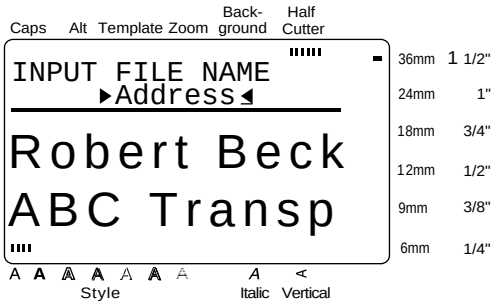


❷ Press [↑] or [↓] until ✓ moves beside **SAVE**.

NOTE

To return to the previous screen without making any changes, press Cancel.

❸ Press New Block.



❹ Edit the file name if you wish.

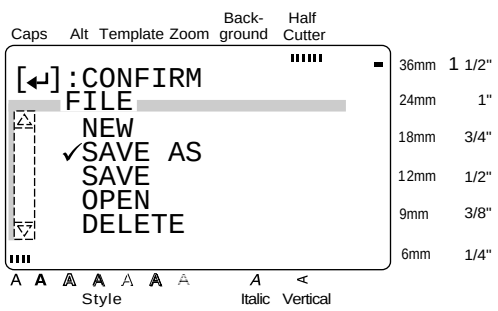
NOTE

A file name can only be up to 10 characters long.

❺ Press New Block. The text is saved under the selected number with the entered file name.

To recall a file that has been saved:

❶ Press File.



❷ Press ↑ or ↓ until ✓ moves beside **OPEN**.

NOTE

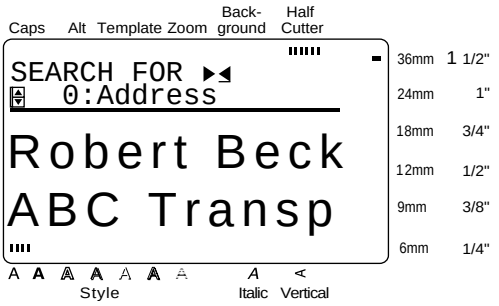
To return to the previous screen without making any changes, press Cancel.

❸ Press New Block.

NOTE

If there was text in the display before the **File** function was started, the message "OK TO CLEAR TEXT BUFFER?" appears.

- *To delete the text*, press ↑ or ↓ until ✓ moves beside **OK**, and then press New Block.
- *To return to the **FILE** menu without deleting the text in the display*, press Cancel (or move ✓ beside **CANCEL**, and then press New Block).



❹ Select the file that you want to open.

To scan through the saved files, press ↑ or ↓.

To search for a specific file, type in a part of the name of the desired file, and then press New Block. The files with names containing the text that you searched for are found and the first file is displayed. If more than one file is found, press ↑ or ↓ until the file that you want to open is displayed.

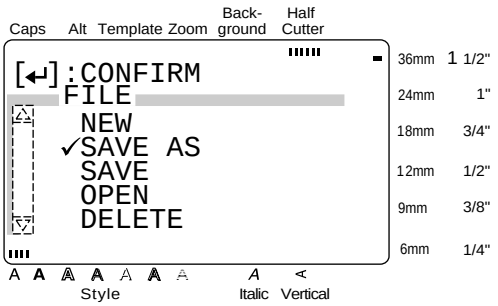
❺ Press [New Block]. The selected file appears in the display.

NOTE

When a file created using a template is opened, it is opened in **Template** mode.

To delete a file that has been saved:

❶ Press [File].

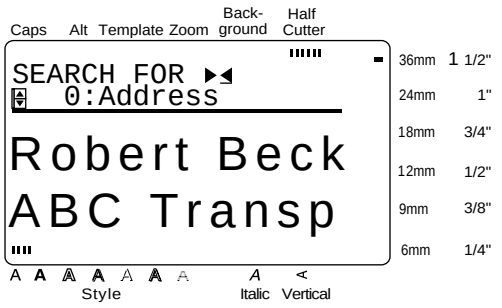


❷ Press [↑] or [↓] until ✓ moves beside **DELETE**.

NOTE

To return to the previous screen without making any changes, press [Cancel].

❸ Press [New Block].



❹ Select the file that you want to delete.

To scan through the saved files, press [↑] or [↓].

NOTE

To select all of the stored files, hold down [Code] and press [New Block].

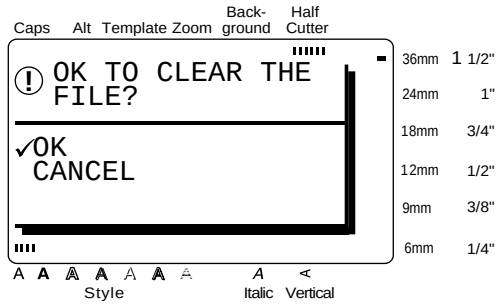
To search for a specific file, type in a part of the name of the desired file, and then press [New Block]. The files with names containing the text that you searched for are found and the first file is displayed. If more than one file is found, press [↑] or [↓] until the file that you want to delete is displayed, or hold down [Code] and press [New Block] to select all of the found files.

❺ Press [New Block].

NOTE

☞ If all of the stored files were selected, the message "OK TO CLEAR ALL FILES?" appears.

☞ If all of the files found by searching were selected, the message "OK TO CLEAR ALL SEARCHED FILES?" appears.



❻ Press [↑] or [↓] until ✓ moves beside **OK**.

NOTE

To return to the previous screen without deleting the file, press [Cancel] (or move ✓ beside **CANCEL**, and then press [New Block]).

❼ Press [New Block]. The selected file is deleted.

Printing

Image (Code + Zoom Image)

To preview an image of the entire text before it is printed, hold down Code and press Zoom Image. All of the text slowly scrolls across the display to the left. Press (space bar) to stop or continue scrolling the text. Move the text in the desired direction by pressing ← and →. To quit the **Image** function and return to the text, press Cancel.

Feed & Cut (Feed & Cut)

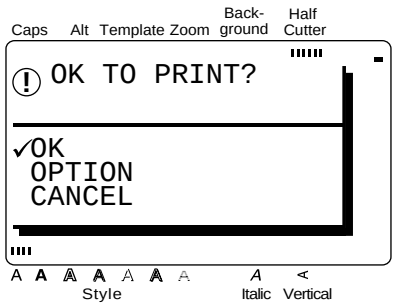
To feed out 1" (25 mm) of tape and automatically cut it, press Feed & Cut. Press this key to feed out any leftover printed tape after pressing Cancel to quit printing.

Print (Print)

After you have typed in your text and chosen all of the text and label formats that you want to use, you can print it out. A few additional settings can be selected before printing out your label.

To print a label using the current print settings:

❶ Press Print. The message "OK TO PRINT?" appears.



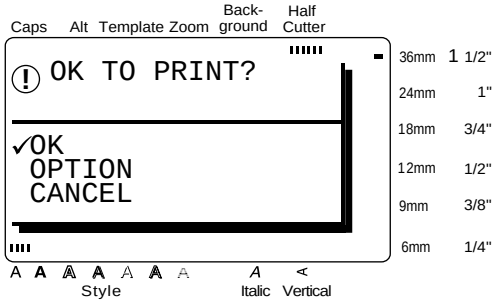
❷ Since ✓ is already beside **OK**, press New Block. The label is printed out.

NOTE

To quit printing, press Cancel. Be sure to press Feed & Cut once before printing the next label.

To print multiple copies of a label:

❶ Press Print.



❷ Press ↑ or ↓ to move ✓ beside **OPTION**.

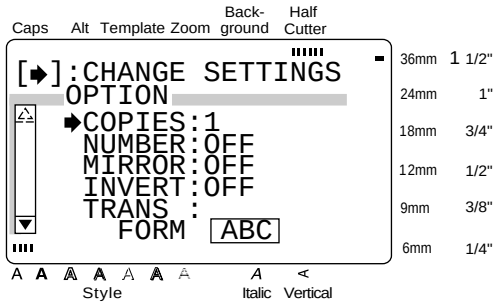
NOTE

To return to the text without making any changes, press Print at any time.

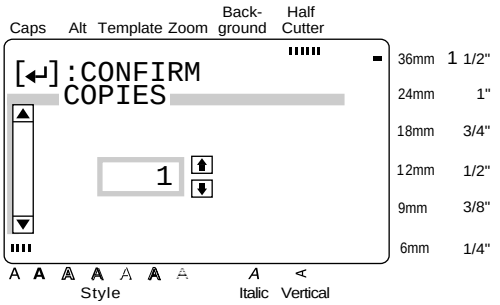
❸ Press New Block.

NOTE

- *To display the **OPTION** menu quickly*, hold down Code and press Print.
- *To return to the previous screen without keeping any changes*, press Cancel.
- *To return all functions in the **OPTION** menu to their default settings*, hold down Code and press (space bar).



❹ Since ➔ is already beside **COPIES**, press [→|].



❺ Type in a number (or press [↑] or [↓]) until the desired number of copies is displayed.

NOTE

To select the default setting (**1**), press [ ] (space bar).

❻ Press [↵ New Block] to confirm the setting and return to the **OPTION** menu.

To change the NUMBER setting:

The **NUMBER** (numbering) function can be used to print many copies of the same text while increasing certain characters (letters, number or barcode data) after each label is printed. This type of automatic incrementation is very useful when printing serial number labels, production control labels or other labels requiring ascending codes.

Letters and numbers increase as shown below:

0 ➔ 1 ➔ ...9 ➔ 0 ➔ ...
A ➔ B ➔ ...Z ➔ A ➔ ...
a ➔ b ➔ ...z ➔ a ➔ ...
A0 ➔ A1 ➔ ...A9 ➔ B0 ➔ ...

Spaces (shown as underlines "_" in the examples below) can be used to adjust the space between characters or to control the number of digits that are printed:

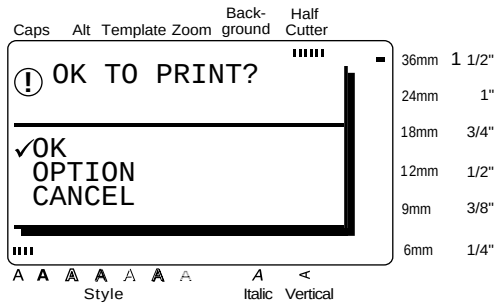
1_9 ➔ 2_0 ➔ ...9_9 ➔ __0 ➔ ...
_9 ➔ 10 ➔ ...99 ➔ _0 ➔ ...
_Z ➔ AA ➔ ...ZZ ➔ _A ➔ ...

NOTE

☞ Only one numbering field can be selected from any text.

☞ If you include a non-alphanumeric character such as a symbol in the numbering field, only the letters and numbers in the numbering field will be increased when the labels are printed, or just one label will be printed if the field only contains a non-alphanumeric character.

❶ Press (Print).



❷ Press ↑ or ↓ to move ✓ beside **OPTION**.

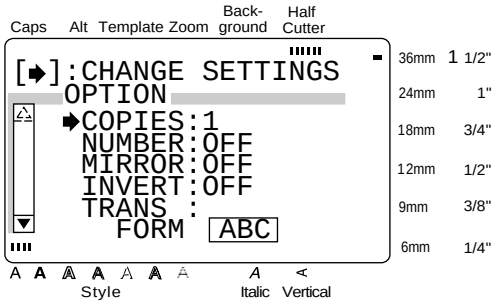
NOTE

To return to the text without making any changes, press Print at any time.

❸ Press New Block.

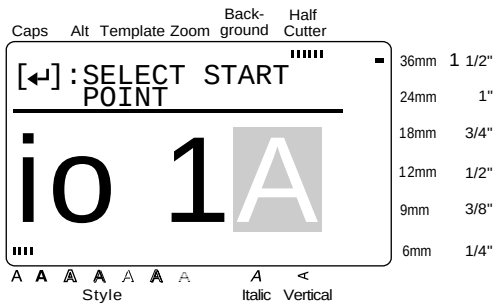
NOTE

- ☞ *To display the **OPTION** menu quickly*, hold down Code and press Print.
- ☞ *To return to the previous screen without keeping any changes*, press Cancel.
- ☞ *To return all functions in the **OPTION** menu to their default settings*, hold down Code and press (space bar).



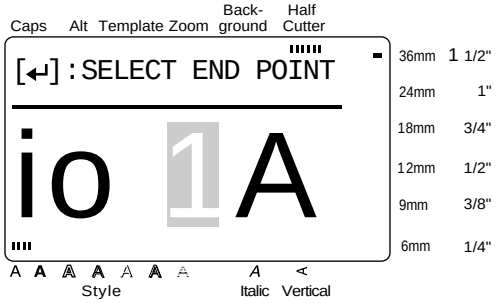
❹ Press ↑ or ↓ to move ➔ beside **NUMBER**.

❺ Press →.



❻ Press ←, →, ↑, or ↓ until the first character that you wish to select for the numbering field is selected.

❼ Press New Block.

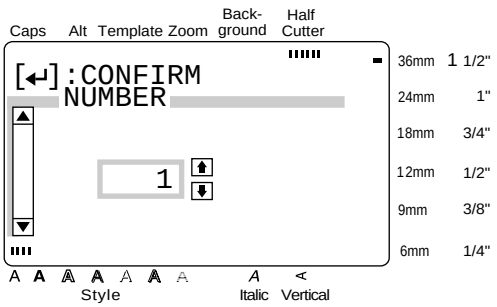


❽ Press ← or → until all of the characters that you wish to select for the numbering field are selected.

NOTE

- ☞ If a barcode was selected in step ❻, this step is skipped.
- ☞ A numbering field must be located entirely within one line of text of a single block.
- ☞ The maximum number of characters in a numbering field is five.
- ☞ If you try to choose more than five characters, the error message "INCORRECT OPERATION FOR NUMBERING FUNCTION" will appear.

❿ Press New Block.



⓫ Type in a number (or press ↑ or ↓) until the desired number of copies is displayed.

NOTE

*To select the default setting (**OFF**)*, press (space bar).

⓬ Press New Block to confirm the setting and return to the **OPTION** menu.

To print a mirror image of the text:

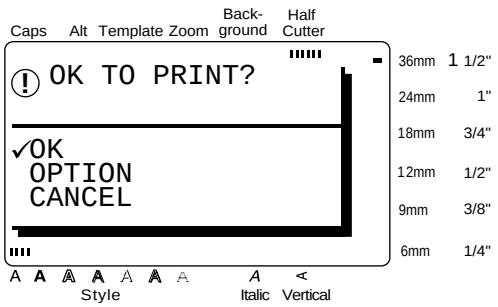
With the **MIRROR** function, you can print your text in reverse so that it can be read from the adhesive side of the tape.

ABC ABC **[OFF]**

ABC ABC **[ON]**

If these labels are printed on clear tape and affixed to glass or any other clear material, the text can be read correctly from the opposite side.

❶ Press Print.



❷ Press ↑ or ↓ to move ✓ beside **OPTION**.

NOTE

To return to the text without making any changes, press Print at any time.

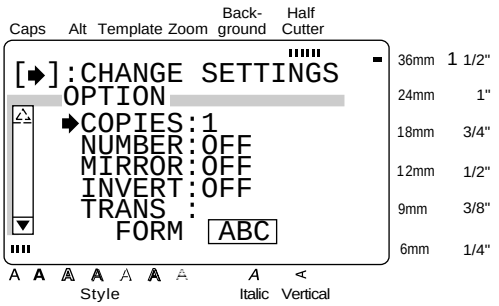
❸ Press New Block.

NOTE

☞ *To display the **OPTION** menu quickly*, hold down Code and press Print.

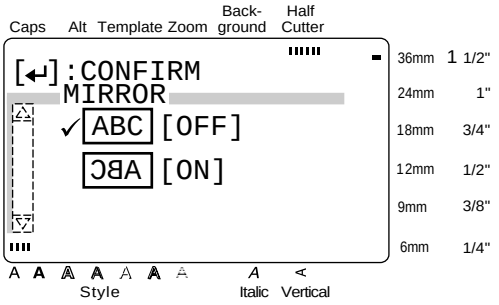
☞ *To return to the previous screen without keeping any changes*, press Cancel.

☞ *To return all functions in the **OPTION** menu to their default settings*, hold down Code and press (space bar).



❹ Press ↑ or ↓ to move ➔ beside **MIRROR**.

❺ Press →.



❻ Press ↑ or ↓ to move ✓ beside the desired setting.

NOTE

To select the default setting (**ABC** ***[OFF]****)*, press (space bar).

❼ Press New Block to confirm the setting and return to the **OPTION** menu.

To print an inverted image of the text:

The **INVERT** function prints all light areas so that they are dark and all dark areas so that they are light.

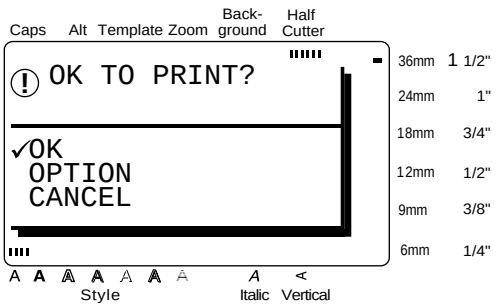
NOTE

Some fine details in the printing may be lost when this function is used.

ABC **ABC** **[OFF]**

ABC **ABC** **[ON]**

❶ Press Print.



❷ Press ↑ or ↓ to move ✓ beside **OPTION**.

NOTE

To return to the text without making any changes, press Print at any time.

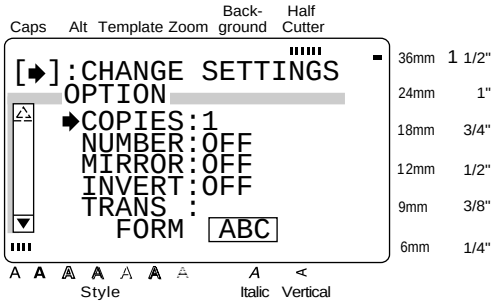
❸ Press New Block.

NOTE

☞ *To display the* ***OPTION*** *menu quickly*, hold down Code and press Print.

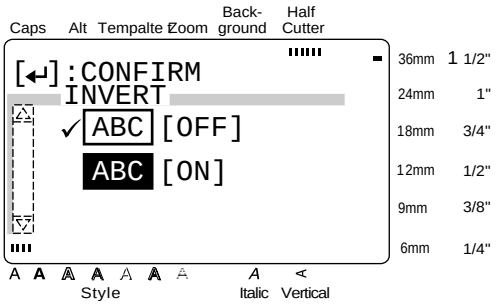
☞ *To return to the previous screen without keeping any changes*, press Cancel.

☞ *To return all functions in the* ***OPTION*** *menu to their default settings*, hold down Code and press (space bar).



❹ Press ↑ or ↓ to move ➔ beside **INVERT**.

❺ Press →|.



❻ Press ↑ or ↓ to move ✓ beside the desired setting.

NOTE

To select the default setting (**ABC** ***[OFF]****)*, press (space bar).

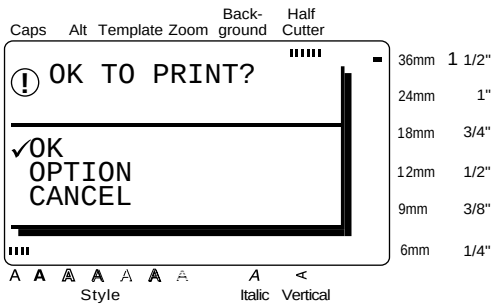
Functions

❼ Press [New Block] to confirm the setting and return to the **OPTION** menu.

To change the shape of the text:

Use the **TRANSFORMATION** function to create interesting text effects by molding the text into different shapes. Refer to page 54 for samples of the shapes that are available.

❶ Press (Print).



❷ Press [↑] or [↓] to move ✓ beside **OPTION**.

NOTE

To return to the text without making any changes, press (Print) at any time.

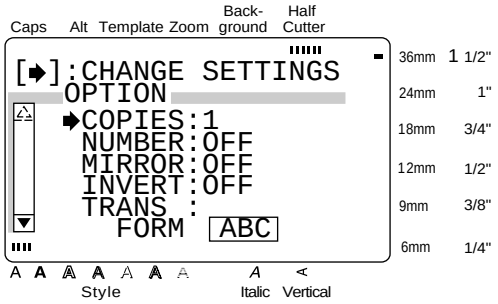
❸ Press [New Block].

NOTE

☞ *To display the **OPTION** menu quickly*, hold down [Code] and press (Print).

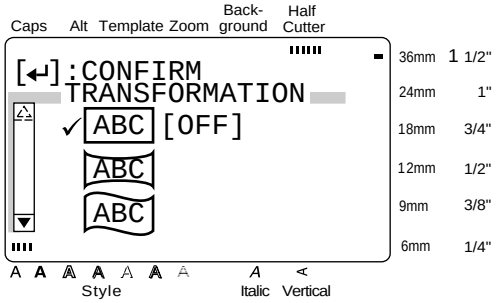
☞ *To return to the previous screen without keeping any changes*, press [Cancel].

☞ *To return all functions in the **OPTION** menu to their default settings*, hold down [Code] and press [ ] (space bar).



❹ Press [↑] or [↓] to move ➔ beside **TRANSFORM**.

❺ Press [→].



❻ Press [↑] or [↓] to move ✓ beside the desired setting.

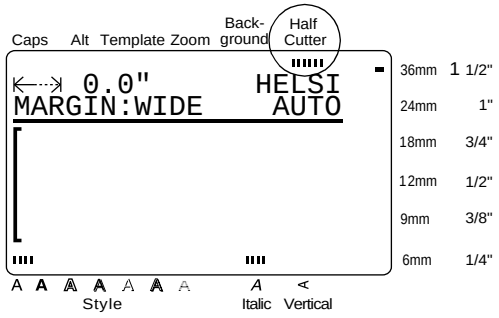
NOTE

To select the default setting (**ABC** ***[OFF]****)*, press [ ] (space bar).

❼ Press [New Block] to confirm the setting and return to the **OPTION** menu.

To change the CUT setting:

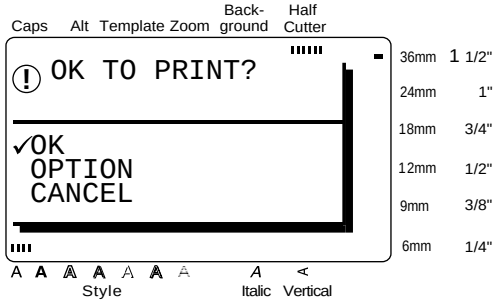
The way that labels are cut off after being printed can be selected using the **CUT** function. A full cut completely cuts off the label. When a half cut setting is selected, the **HALF CUTTER** indicator lights up and the tape is cut without cutting the label backing. This makes it easier to remove the backing paper from the labels.



The following **CUT** settings are available:

ABC ABC	**[BOTH]** (both full and half cuts)
ABC ABC	**[FULL]** (full cut only)
ABC ABC	**[HALF]** (half cut only)
ABC ABC	**[OFF]** (neither full nor half cuts)

❶ Press (Print).



❷ Press ↑ or ↓ to move ✓ beside **OPTION**.

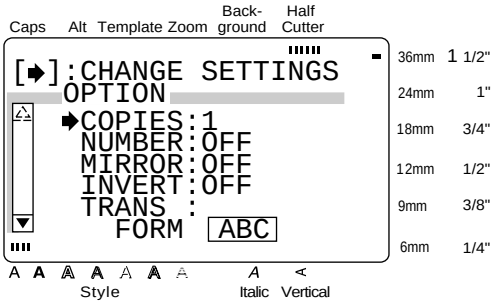
NOTE

To return to the text without making any changes, press (Print) at any time.

❸ Press ↵ New Block.

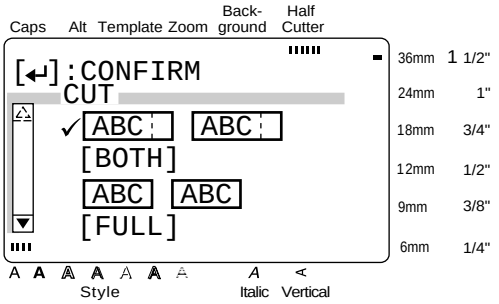
NOTE

- ☞ *To display the **OPTION** menu quickly*, hold down Code and press (Print).
- ☞ *To return to the previous screen without keeping any changes*, press Cancel.
- ☞ *To return all functions in the **OPTION** menu to their default settings*, hold down Code and press (space bar).



❹ Press ↑ or ↓ to move ➔ beside **CUT**.

❺ Press →.



❻ Press ↑ or ↓ to move ✓ beside the desired setting.

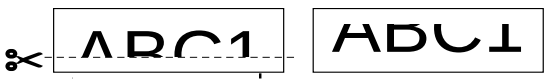
NOTE

To select the default setting (**ABC** **ABC** ***[BOTH]****)*, press [ ] (space bar).

❼ Press ↵ New Block to confirm the setting and return to the **OPTION** menu.

To use SPLIT printing:

The **SPLIT** function enlarges the text and prints it on 2, 3 or 4 labels, which can be assembled to create extra-large labels.

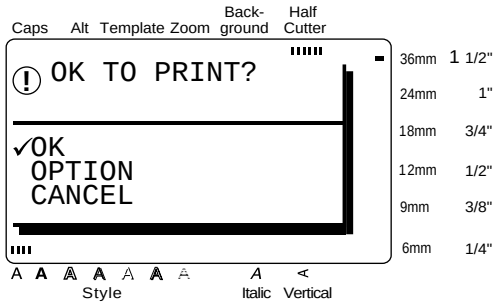


Cut off the blank space on the bottom of the first label, then put the top and bottom parts together so that there is no break in the characters.

NOTE

If the labels are printed on transparent tape, they can be put together without being cut.

❶ Press Print.



❷ Press ↑ or ↓ to move ✓ beside **OPTION**.

NOTE

To return to the text without making any changes, press Print at any time.

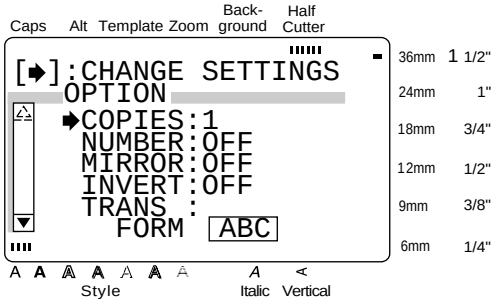
❸ Press ↵ New Block.

NOTE

☞ *To display the* ***OPTION*** *menu quickly*, hold down Code and press Print.

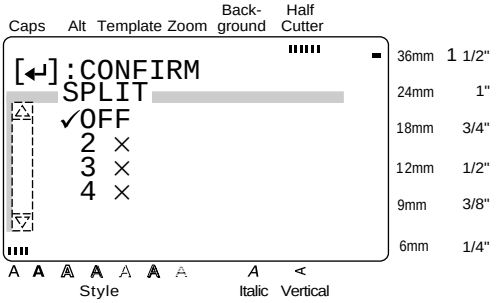
☞ *To return to the previous screen without keeping any changes*, press Cancel.

☞ *To return all functions in the* ***OPTION*** *menu to their default settings*, hold down Code and press [ ] (space bar).



❹ Press ↑ or ↓ to move ➔ beside **SPLIT**.

❺ Press →.



❻ Press ↑ or ↓ to move ✓ beside the desired setting.

NOTE

*To select the default setting (****OFF****)*, press [ ] (space bar).

❼ Press [↵ New Block] to apply the setting and return to the **OPTION** menu.

Setting display features

Setup ([Setup])

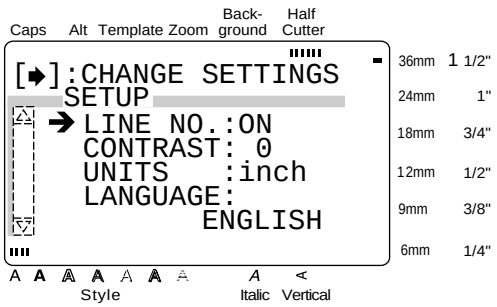
Pressing [Setup] displays four functions which let you change the general appearance of text shown on the display.

To change the LINE NO. setting:

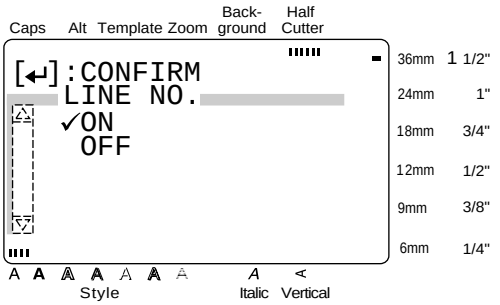
This function allows you to select whether or not the number of the line currently containing the cursor is displayed during Zoom mode. (The line numbers are not displayed in WYSIWYG mode.)

❶ Press [Setup].

NOTE
*To return all functions in the **SETUP** menu to their default settings*, hold down [Code] and press [ ] (space bar).



❷ Since ➔ is already beside **LINE NO.**, press [→|].



❸ Press ↑ or ↓ to move ✓ beside the setting that you wish to select.

NOTE

To select the default setting, press (space bar).

❹ Press New Block once to confirm the setting and return to the **SETUP** menu.

❺ Press New Block again to apply the setting.

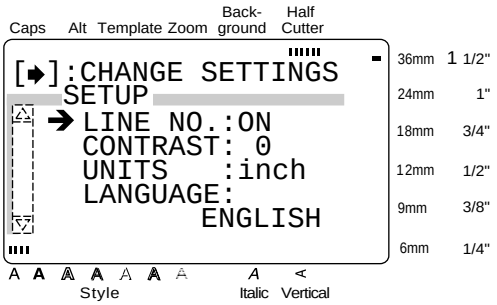
To change the CONTRAST setting:

The **CONTRAST** function enables you to make the LCD display lighter or darker.

❶ Press Setup.

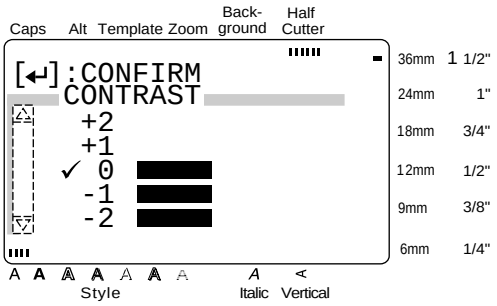
NOTE

*To return all functions in the **SETUP** menu to their default settings*, hold down Code and press (space bar).



❷ Press ↑ or ↓ to move ➔ beside **CONTRAST**.

❸ Press →.



❹ Press ↑ or ↓ to move ✓ beside the setting that you wish to select.

NOTE

To select the default setting, press (space bar).

❺ Press New Block once to confirm the setting and return to the **SETUP** menu.

❻ Press New Block again to apply the setting.

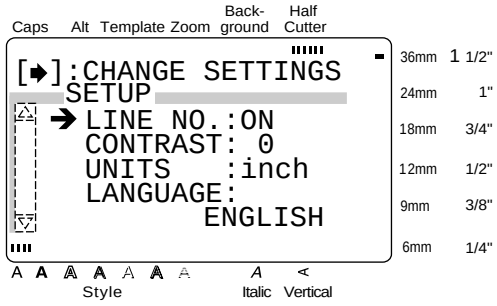
To change the UNITS setting:

This function lets you choose the units used for displaying measurements.

❶ Press Setup.

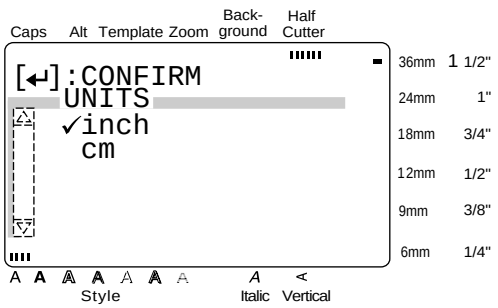
NOTE

*To return all functions in the **SETUP** menu to their default settings*, hold down Code and press (space bar).



❷ Press [↑] or [↓] to move ➔ beside **UNITS**.

❸ Press [→].



❹ Press [↑] or [↓] to move ✓ beside the setting that you wish to select.

NOTE

To select the default setting, press [ ] (space bar).

❺ Press [↵ New Block] once to confirm the setting and return to the **SETUP** menu.

❻ Press [↵ New Block] again to apply the setting.

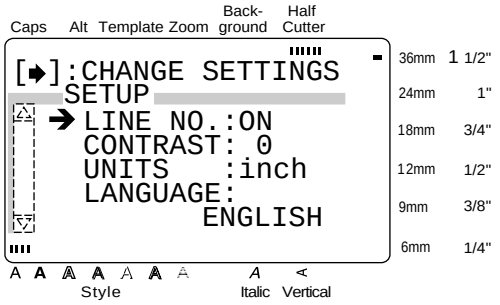
To change the LANGUAGE setting:

The **LANGUAGE** function allows you to select whether the menus, settings, and messages will appear in English or French.

❶ Press [Setup].

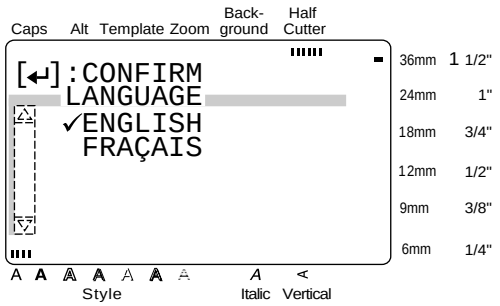
NOTE

*To return all functions in the **SETUP** menu to their default settings*, hold down [Code] and press [ ] (space bar).



❷ Press [↑] or [↓] to move ➔ beside **LANGUAGE**.

❸ Press [→].



❹ Press [↑] or [↓] to move ✓ beside the setting that you wish to select.

NOTE

To select the default setting, press [ ] (space bar).

❺ Press [↵ New Block] once to confirm the setting and return to the **SETUP** menu.

❻ Press [↵ New Block] again to apply the setting.

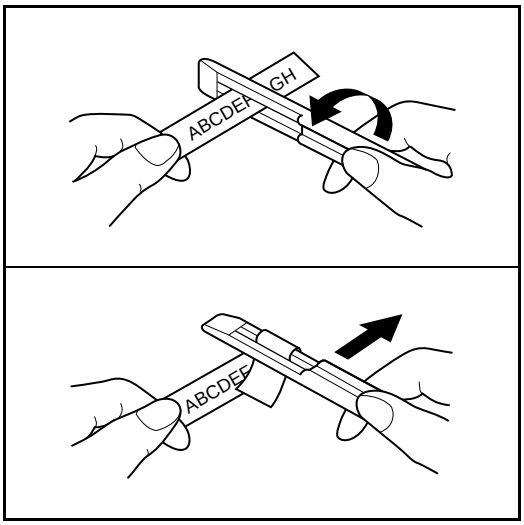
Chapter 4

Using Labels and Stamps

Laminated tape

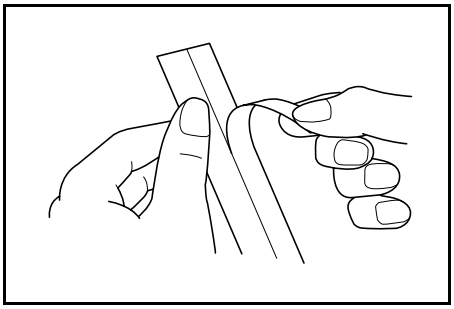
The backing from labels printed on laminated tapes can easily be removed if a half cut setting was used (refer to page 55). However, if a half cut setting was not used, the backing paper can be removed by using the enclosed lettering stick.

1. Hold the tape in your left hand, with the printed surface facing up, and hold the lettering stick in your right hand.
2. Pass the tape halfway through the long narrow hole in the stick.
3. Turn the stick three quarters of a turn towards you and pull the stick away from you as shown below.
4. Peel off the label backing.



Non-laminated tape

Slighty fold labels printed on non-laminated tape in half so that the inside edges of the two backing pieces come off the label, enabling them to be peeled off easily.



Stamp film

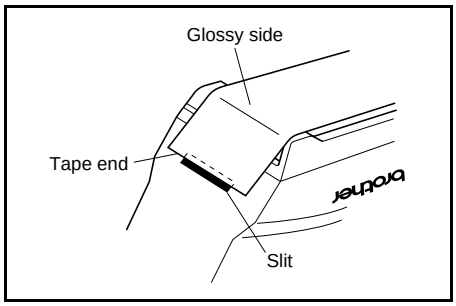
In addition to labels, your P-touch can be used to make custom, pre-inked stamps for various uses (optional stamp kit required). Simply design your own customized stamps using one of the pre-formatted stamp templates, and then affixing the printed stamp stencil to a self-inking stamp film holder.

1. Install a stamp film cassette and enter text into a pre-formatted stamp template. Refer to pages 41 through 45 for more details on using templates.
2. Print out the stamp stencil and remove its backing paper.
3. Remove the frame from around the stamp holder ink pad, one end at a time, and then remove the protective seal covering the ink pad.

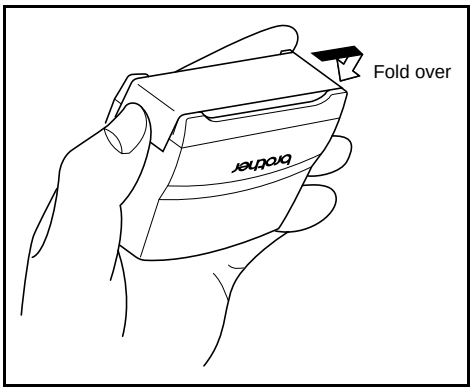
NOTE

- If the stamp holder already contains a stamp film, hold the stamp over a piece of scrap paper and remove the stamp frame by pulling it off, one end at a time. Then, slowly peel off the stamp film. Be careful that the ink does not splatter.
- Keep the stamp film holder out of the reach of children.
- Avoid getting ink in your eyes or mouth. If ink gets in your eyes or mouth, immediately wash it with fresh water for several minutes and consult a doctor.
- Keep ink off skin, clothes and important papers. Immediately use soap to wash skin that has come in contact with ink. Even washing may not remove all ink.

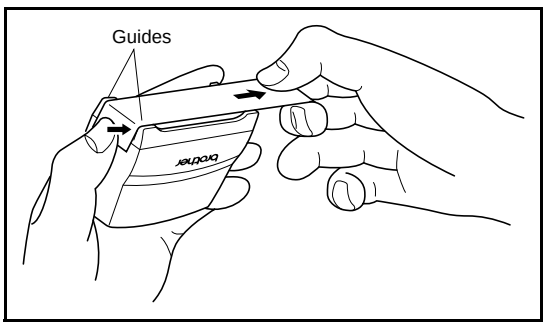
❹ With the glossy side of the stamp film facing up, align one end of the stamp film with the slit in the side of the stamp holder.



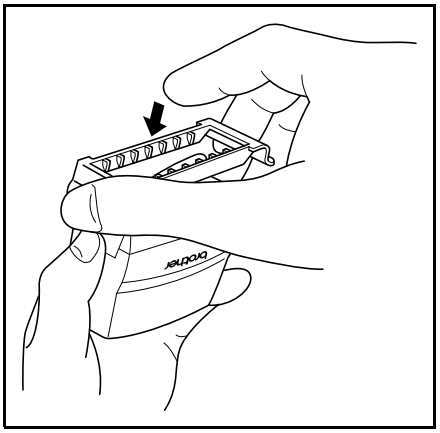
❺ Hold the end of the stamp film in place with your thumb, then pass the stamp film through the guides while pulling it tight.



❻ Fold the other end of the stamp film over the other side of the stamp holder and hold it in place with your finger.



❼ Fit the frame over the stamp film, and then push the frame into place.



❽ Insert the stamp holder straight into the cap.

NOTE

- ☞ Be sure that the cap correctly covers the stamp in order to prevent ink spills.
- ☞ When the stamp is not being used, firmly cover it with the cap and always store it standing up with the stamp facing downward. Do not leave the stamp laying on its side or leaning.
- ☞ Store stamp film holders and stamp film cassettes in a location where they are not exposed to high temperatures, high humidity or direct sunlight.

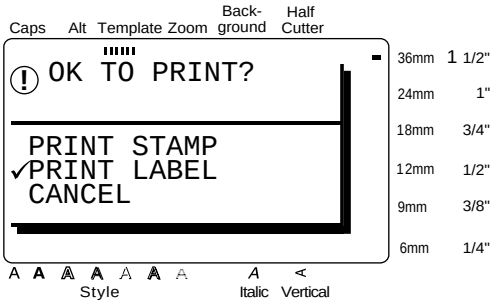
Printing an identification label for the stamp holder

❶ Insert a TZ tape cassette into the tape compartment.

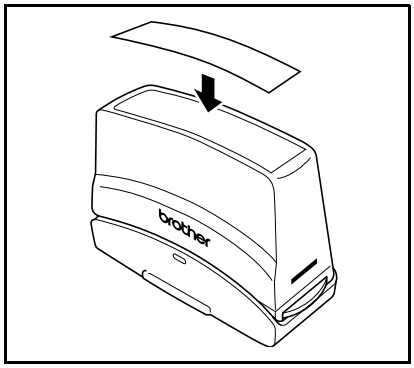
NOTE

Use 1/2" (12-mm)-wide tape to make an identification label for an M-size stamp and use 3/4" (18-mm)-wide tape to make a label for an L-size stamp.

❷ Print out the identification label. Refer to page 44 for more details on printing identification labels.



❸ After the label is cut off, affix it to the end of the holder so that its bottom edge is on the same side of the stamp holder as the raised "brother" logo.



Stamping

Since the length of time and amount of pressure that the stamp holder should be held down depends on the amount of ink in the holder, first practice stamping on a piece of scrap paper.

You can expect to use a stamp film holder approximately 300 to 500 times, although some ink is lost when the stamp film is changed. The actual life of the stamp film holder will vary depending on the size and thickness of the characters, whether a shading pattern is used, etc.

NOTE

- ☞ After stamping, wait until the ink has completely dried before touching it in order to prevent smearing.
- ☞ If the stamp holder is not pressed straight down, the stamp may be blurred.
- ☞ Do not press the stamp holder down too forcefully.
- ☞ Do not stamp on wet, sticky, rough or uneven surfaces. Only stamp on paper. The ink will not dry on plastic overhead projector transparencies and other ink-impermeable objects.
- ☞ If a stamp made with a new stamp film is faint or incomplete, even after forcefully pressing down the stamp holder for up to 30 seconds, replace the stamp holder with a new one. Do not try to refill the stamp holder.

ERROR MESSAGE LIST

ERROR MESSAGE	CAUSE	SOLUTION
ALL FILES ARE USED	● This message appears if there are no empty files available when **NEW** or **SAVE AS** (**FILE** menu) is selected.	● Delete unneeded files to make space for new ones.
BARCODE MUST START & END WITH A, B, C OR D	● This message appears if A, B, C or D has not been entered at the beginning and end of a barcode with the CODABAR protocol.	● Enter A, B, C or D at the beginning and end of the barcode.
BUFFER EMPTY	● This message appears if no text has been typed in when you press Area All or Print, when you hold Code and press Area All or Zoom Image, or when you press New Block after selecting **BLOCK**, **LINE** or **CHARACTER** (**FRAME** or **SHADING** menus), or **SAVE AS** or **SAVE** (**FILE** menu).	● Type in some text before trying to perform any of these operations.
BUFFER FULL	● This message appears if enough text has already been entered to fill the buffer, and you try to paste in text or add a character, a space, a new line, a new block, a symbol, an accented character or a barcode. ● This message appears if enough text has already been entered to fill the buffer, and you press Â / Ã, Font, Size, Width, Style, Italic, A / a or Vert.	● Delete some of the text before trying to add any more. ● Delete some of the text before trying to change the text format.
CAN'T FIND FILE	● This message appears if a file with the entered file name cannot be found.	● Search for a different file name.
CLOSE CASSETTE COVER	● This message appears if the tape compartment cover is open.	● Close the compartment cover.
CUTTER ERROR TURN POWER OFF, THEN ON AGAIN	● This message appears if the cutter did not operate correctly.	● Turn off the P-touch, and then turn it on again.
EEPROM ERROR TURN POWER OFF, THEN ON AGAIN	● This message appears if there is a problem with the machine's memory.	● Contact your service representative.
HALF CUT ERROR TURN POWER OFF, THEN ON AGAIN	● This message appears if the half cutter did not operate correctly.	● Turn off the P-touch, and then turn it on again.

ERROR MESSAGE	CAUSE	SOLUTION
INCORRECT NUMBER OF DIGITS FOR BARCODE TYPE	● This message appears if the barcode data that is entered contains the incorrect number of digits for the selected barcode protocol.	● Enter barcode data that contains the correct number of digits.
INCORRECT OPERATION FOR NUMBERING FUNCTION	● This message appears if characters in different lines or blocks are selected as a numbering field (**NUMBER** function on the **OPTION** menu). ● This message appears if a barcode is selected together with other characters as a numbering field (**NUMBER** function on the **OPTION** menu). ● This message appears if more than five characters are selected as the numbering field (**NUMBER** function on the **OPTION** menu).	● Adjust the numbering field so that it only contains characters within a single line of a single block. ● Select either the barcode or the characters alone as the numbering field. ● Limit the numbering field to five characters.
INSERT CASSETTE	● This message appears if no tape cassette is installed when you try to print text.	● Install a tape cassette and try again.
LENGTH LIMIT	● This message appears if you try to paste in text or add a character, a space, a new block, a symbol, an accented character, a barcode or a frame/shading, causing the text to exceed the 4' (1.2-meter) limit. ● This message appears if you press [New Block] after changing a label format function on the **FORMAT** menu, or press [Font], [Size], [Width], [Style], [Italic], [A / A] or [Vert] causing the text to exceed the 4' (1.2-meter) limit. ● This message appears if you try to print using the **NUMBER** (numbering) function, causing the text to exceed the 4' (1.2-meter) limit. ● This message appears if you press [Back Space / Clear] to delete text, causing the text to exceed the 4' (1.2-meter) limit. ● This message appears if you try to recall a text file from the memory, causing the text to exceed the 4' (1.2-meter) limit.	● Delete some of the text or reduce the character size before trying to add more text. ● Delete some of the text before trying to change the label or text formats. ● Delete some of the text or reduce the character size. ● Delete some of the text or reduce the character size. ● Delete some of the text before recalling it.

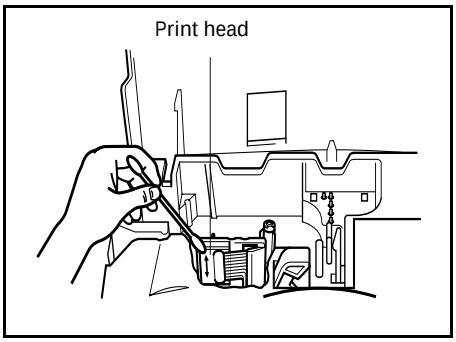
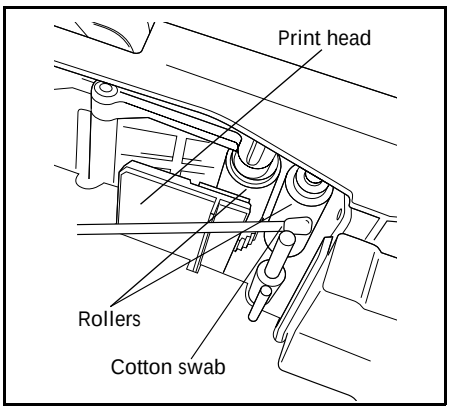
ERROR MESSAGE	CAUSE	SOLUTION
LIMIT EXCEEDED SET BETWEEN 4.0-30.0 cm	● This message appears if the set label length (**LENGTH** function on the **FORMAT** menu) is not within the range 4.0 to 30.0 cm.	● Type in a label length that is within the specified range.
LIMIT EXCEEDED SET BETWEEN 1.6-11.8 inch	● This message appears if the set label length (**LENGTH** function on the **FORMAT** menu) is not within the range 1.6 to 11.8 inches.	● Type in a label length that is within the specified range.
LINE LIMIT	● This message appears if you press Back Space Clear to delete text or press ↵ New Block to add a new line, causing the number of lines in a block to exceed the maximum possible for the installed tape. ● This message appears if you try to recall a file or print text which contains more lines than the maximum possible for the installed tape.	● Adjust the number of lines so that the block will not have more than the maximum possible. ● Reduce the number of lines or install a wider tape.
MAX 5 BARCODES	● This message appears if five barcodes already exist when you press Barcode.	● Limit the number of barcodes in the text to five.
MAX 5 BLOCKS	● This message appears if five blocks already exist when you hold down Code and press ↵ New Block.	● Limit the number of blocks in the text to five.
MAX 10 LINES	● This message appears if ten lines have already been entered in a block of text when you press ↵ New Block. ● This message appears if you press Back Space Clear to delete text, causing the number of lines in a block to exceed the ten-line limit.	● Limit the number of lines in the text block to ten or hold down Code and press ↵ New Block to create a new block. ● Adjust the number of lines so that the block will not have more than ten lines.
MAX 30 CHRS	● This message appears if more than 30 characters are selected when you press Copy &Paste.	● Limit the number of characters that will be copied and pasted to 30.
MAX 50 CHRS	● This message appears if you try to add more than 50 underlines, frames and shadings.	● Limit the number of underlines, frames and shadings in the text to 50.

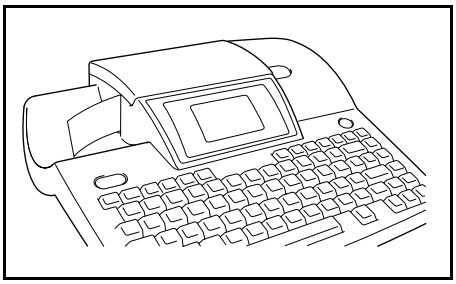
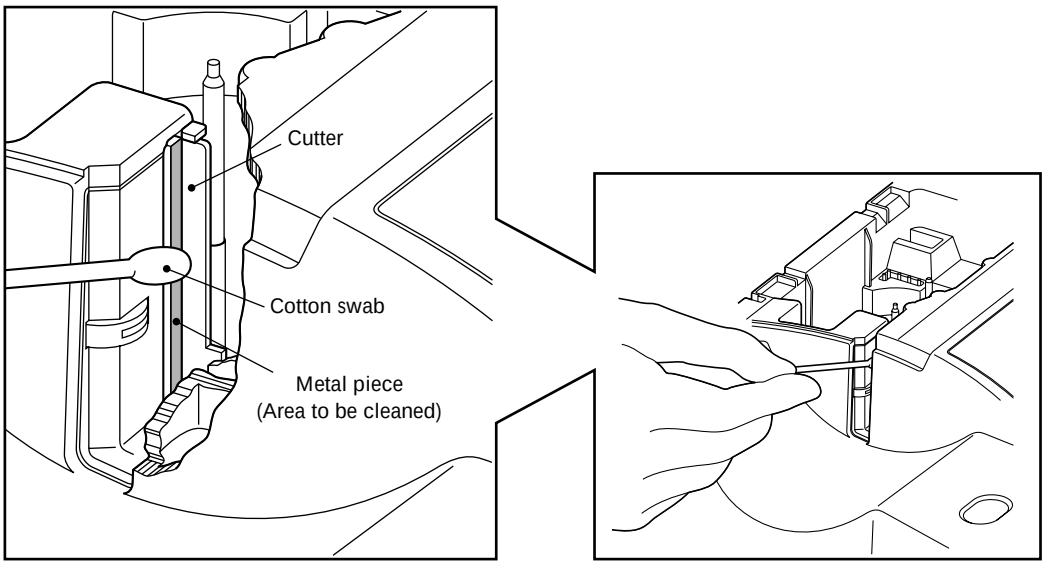
ERROR MESSAGE	CAUSE	SOLUTION
MEMORY FULL	● This message appears if you try to store a message that is too large to fit in the available memory space (maximum of 3,000 characters).	● Delete an unwanted file to make space for the new one.
MIN 4 DIGITS	● This message appears if less than the minimum four digits are entered as the barcode data.	● Enter a minimum of four digits before pressing .
NO FILES	● This message appears if no files are stored in the memory when you try to recall or delete one.	● Store a text file before trying to recall or delete one.
NO PRINTING TEMPLATES ON IRON-ON OR LETTERING TAPE	● This message appears if you try to print a template on iron-on or lettering tape.	● Install a tape cassette that does not contain iron-on or lettering tape.
RAM PROBLEM	● This message appears if there is a problem with the machine's memory.	● Contact your service representative.
ROM PROBLEM	● This message appears if there is a problem with the machine's memory.	● Contact your service representative.
SET 3/8" TAPE	● This message appears if a 3/8" (9-mm)-wide tape cassette is not installed when printing a label created using a template for 3/8" (9-mm)-wide tape.	● Install a 3/8" (9-mm)-wide tape cassette.
SET 1/2" TAPE	● his message appears if a 1/2" (12-mm)-wide tape cassette is not installed when printing a label created using a template for 1/2" (12-mm)-wide tape.	● Install a 1/2" (12-mm)-wide tape cassette.
SET 3/4" TAPE	● This message appears if a 3/4" (18-mm)-wide tape cassette is not installed when printing a label created using a template for 3/4" (18-mm)-wide tape.	● Install a 3/4" (18-mm)-wide tape cassette.
SET 1" TAPE	● This message appears if a 1" (24-mm)-wide tape cassette is not installed when printing a label created using a template for 1" (24-mm)-wide tape.	● Install a 1" (24-mm)-wide tape cassette.
SET 1 1/2" TAPE	● This message appears if a 1 1/2" (36-mm)-wide tape cassette is not installed when printing a label created using a template for 1 1/2" (36-mm)-wide tape.	● Install a 1 1/2" (36-mm)-wide tape cassette.

ERROR MESSAGE	CAUSE	SOLUTION
SET STAMP L	● This message appears if an L-size stamp film cassette is not installed when printing a stamp created using a template for L-size stamp film.	● Install an L-size stamp film cassette.
SET STAMP M	● This message appears if an M-size stamp film cassette is not installed when printing a stamp created using a template for M-size stamp film.	● Install an M-size stamp film cassette.
SYSTEM ERROR	● This message appears if there is a problem with the machine's software.	● Contact your service representative.
TAPE END. CHANGE TAPE CASSETTE	● This message appears if the end of the tape in the cassette has been reached.	● Replace the tape cassette.
TEXT TOO HIGH	● This message appears if the height of the text is larger than the width of the installed tape.	● Reduce the number of lines in the text, reduce the size of the characters, or install a tape with a greater width.
TEXT TOO LONG	● This message appears if the length of the text is longer than the label length that has been set. ● This message appears if the text typed into a line in a template (**TEMPLATE** function) exceeds the preset length.	● Delete some of the text, reduce the character width, or increase the set label length. ● Enter fewer characters.
UNABLE TO PERFORM THIS OPERATION HERE	● This message appears if the cursor is located in a barcode mark when you try to paste in text or add a character, a space, a new line, a new block, a symbol or an accented character. ● This message appears if the cursor is located in a barcode mark when you press [Font], [Size], [Width], [Style], [Italic], [A / a] or [Vert].	● Move the cursor or delete the barcode before trying to add any more text. ● Move the cursor or delete the barcode before trying to change the text format.

TROUBLESHOOTING

Problem	Solution
(1) The display stays blank after you have turned on the machine, or abnormal characters are displayed.	● Check that the power supply cord is connected. ● Reset the machine by turning it off, and while holding down [Code] and [R], turning the machine back on. ☞ The text and formats in the display and all text files stored in the memory are erased.
(2) The text shown in the display cannot be read.	● Use the **Zoom** mode to zoom in on the text. Refer to page 21.
(3) The machine does not print or the printed characters are blurred.	● Check that the tape cassette has been inserted properly. ● If the tape cassette is empty, replace it with a new one. ● Make sure that the tape compartment cover has been closed.
(4) The text is printed on striped tape.	● You have reached the end of the tape in the cassette. Replace it with a new one.

Problem	Solution
(5) A blank horizontal line appears through the text in the printed label.	❶ Turn off the machine. ❷ Open the tape compartment cover, then remove the tape cassette if one is installed. The print head and rollers are located in the tape compartment. ❸ Print head: Use a dry cotton swab to gently wipe up and down along the print head.  Rollers: Use a dry cotton swab to wipe up and down along each roller while rotating them with your finger.  ❹ Install a tape cassette, close the tape compartment cover, and then try printing again. ❺ If a blank streak still appears in the printed label, repeat steps ❷ through ❹ using a cotton swab dipped in isopropyl (rubbing) alcohol. If none of the above works, contact your service representative.

Problem	Solution
(6) The tape is not ejected correctly after being automatically cut.	● Turn off the machine, open the tape compartment cover, and remove the tape cassette if one is installed.  ● Using a cotton swab dipped in isopropyl (rubbing) alcohol, clean off the metal piece in the exit slot to the left of cutter. 
(7) The machine has "locked up" (i.e., nothing happens when a key is pressed).	● Reset the machine by turning it off, and while holding down Code and R, turning the machine back on. ☞ All text and formats in the display and all text files stored in the memory will be erased.
(8) After turning on the P-touch, the message "BACKUP MEMORY CLEARED" appears and all of the files in the memory are lost.	● The internal backup battery is low. Contact your nearest service representative.

MACHINE SPECIFICATIONS

HARDWARE

Power supply:	Input AC 120 V 60Hz (Auto power off if no key is pressed within 30 minutes)
Input device:	Keyboard (77 keys)
LCD:	118 × 64 dots 21 indicators (with back light)
Print tape:	6 widths available: 1/4" (6 mm) 3/8" (9 mm) 1/2" (12 mm) 3/4" (18 mm) 1" (24 mm) 1 1/2" (36 mm)
Print head:	384 dots (high)/360 dpi (resolution)
Tape cutter:	Auto full cutter Auto half cutter
Dimensions:	13.19" × 12.28" × 3.98" (335 × 312 × 101 mm)
Weight:	5.51 lbs. (2.5 kg)

SOFTWARE

Character fonts:	10 built-in fonts (Helsinki, Brussels, US, San Diego, Florida, Calgary, Brunei Bold, Los Angeles, Bermuda Script, and Istanbul)
Character sizes:	**AUTO** plus 9 point sizes (6, 9, 12, 18, 24, 36, 48, 60, and 72 points)
Character styles:	9 built-in type styles (Normal, Bold, Outline, Solid, Shadow, Outline+Shadow, Stripe, Italic, and Vertical)
Buffer size:	Maximum 4' (1.2-meter) line of text Maximum 10 lines Maximum 5 blocks
Memory size:	Approximately 3,000 characters

Appendix

Symbols ⇨ p. 17

The following symbols are available.

Category															
PUNCTUATION	Symbol	•	+	×	÷	±	=	\	§	¶	®	©	™	¿	¡
	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Symbol	@	#	&											
	Number	15	16	17											
BRACKETS	Symbol	[	]	{	}	<	>	«	»						
	Number	18	19	20	21	22	23	24	25						
ARROWS	Symbol	→	←	↑	↓	➔	➔	➔	➔	↔	⇄				
	Number	26	27	28	29	30	31	32	33	34	35				
UNITS	Symbol	°	$	Fr	¥	ƒ	£	DM	Pts	Kr	in.	mm	cm	km	kg
	Number	36	37	38	39	40	41	42	43	44	45	46	47	48	49
	Symbol	gm	cc	ℓ	°F	°C	oz.	lb.	ft.	zł	Pf	€	¢		
	Number	50	51	52	53	54	55	56	57	58	59	60	61		
SPECIAL LETTERS	Symbol	ª	º	ß	ẞ	α	β	γ	δ	µ	Ω				
	Number	62	63	64	65	66	67	68	69	70	71				
NUMBERS	Symbol	1/2	1/3	1/4	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	±
	Number	72	73	74	75	76	77	78	79	80	81	82	83	84	85
	Symbol	-	+	0	1	2	3	4	5	6	7	8	9	±	-
	Number	86	87	88	89	90	91	92	93	94	95	96	97	98	99
	Symbol	+	0	1	2	3	4	5	6	7	8	9			
	Number	100	101	102	103	104	105	106	107	108	109	110			
GENERAL	Symbol	★	O	●	□	△	♠	♥	♦	♣	✖	✚	❗	♪	◘
	Number	111	112	113	114	115	116	117	118	119	120	121	122	123	124
	Symbol	☠	⊘	⏚	▣										
	Number	125	126	127	128										

Category															
WARNING 1	Symbol														
	Number	129	130	131	132	133	134	135	136	137	138	139	140	141	142
	Symbol														
	Number	143	144	145	146	147	148	149	150	151	152	153	154	155	156
	Symbol														
	Number	157	158												
WARNING 2	Symbol														
	Number	159	160	161	162	163	164	165	166	167	168	169	170	171	172
	Symbol														
	Number	173	174	175	176	177	178	179	180	181	182	183	184	185	186
	Symbol														
	Number	187	188	189	190	191	192	193	194	195	196	197	198	199	200
	Symbol														
	Number	201	202	203	204	205									
WARNING 3	Symbol														
	Number	206	207	208	209	210	211	212	213	214	215	216	217	218	219
	Symbol														
	Number	220	221	222	223	224	225	226	227	228	229	230	231	232	233
	Symbol														
	Number	234	235	236	237	238	239	240	241	242	243	244	245	246	
GUIDANCE	Symbol														
	Number	247	248	249	250	251	252	253	254	255	256	257	258	259	260
	Symbol														
	Number	261	262	263	264	265	266	267	268	269	270	271	272	273	274
	Symbol														
	Number	275	276	277	278	279	280	281	282	283	284	285	286	287	288
	Symbol														
	Number	289	290	291	292	293	294	295	296	297					

Category															
TRAFFIC SIGN	Symbol														
	Number	298	299	300	301	302	303	304							
SIGNS	Symbol														
	Number	305	306	307	308	309	310	311	312	313	314	315	316	317	318
	Symbol														
	Number	319	320	321	322	323	324	325	326	327	328				
EVENT	Symbol														
	Number	329	330	331	332	333	334	335	336	337	338	339	340	341	342
	Symbol														
	Number	343	344	345	346	347	348	349	350	351	352				
ANIMALS	Symbol														
	Number	353	354	355	356	357	358	359	360	361	362	363	364		
PLANTS	Symbol														
	Number	365	366	367	368										
FOOD&DRINK	Symbol														
	Number	369	370	371	372	373	374	375	376	377	378	379	380	381	382
	Symbol														
	Number	383	384	385	386										
OFFICE	Symbol														
	Number	387	388	389	390	391	392	393	394	395	396	397	398	399	400
	Symbol														
	Number	401	402	403	404	405	406	407	408	409	410	411	412	413	414
	Symbol														
	Number	415	416	417	418	419	420								
SPORT	Symbol														
	Number	421	422	423	424	425	426	427	428	429	430	431	432	433	434
	Symbol														
	Number	435	436												

Category											
MEDICAL	Symbol										
	Number	437	438	439	440						
TRANSPORTA-TION	Symbol										
	Number	441	442	443	444						
TOOL	Symbol										
	Number	445	446	447	448						
ASTRONOMI-CAL	Symbol										
	Number	449	450	451	452						
POINTING	Symbol										
	Number	453	454	455	456	457	458	459	460		
FISH	Symbol										
	Number	461	462								
INSECTS	Symbol										
	Number	463	464	465	466						
VIDEO	Symbol										
	Number	467	468	469	470	471	472	473	474	475	

Special barcode characters ⇨ p. 18

The following special characters can only be added to barcodes created using protocols EAN128 and CODE128.

Value	Character	Value	Character	Value	Character
3	#	69	ENQ	87	ETB
4	$	70	ACK	88	CAN
11	+	71	BEL	89	EM
28	<	72	BS	90	SUB
29	=	73	HT	91	ESC
30	>	74	LF	91	{
32	@	75	VT	92	FS
59	[	76	FF	92	|
60	\	77	CR	93	GS
61	]	78	SO	93	}
62	^	79	SI	94	RS
63	_	80	DLE	94	~
64	NUL	81	DC1	95	US
64	`	82	DC2	95	DEL
65	SOH	83	DC3	96	FNC3
66	STX	84	DC4	97	FNC2
67	ETX	85	NAK	100	FNC4
68	EOT	86	SYN	102	FNC1

The following special characters can only be added to barcodes created using protocols CODE39 or CODABAR.

Value	Character
1	+
2	$

Fonts ⇨ p. 24

The following fonts are available.

HELSINKI	CALGARY
BRUSSELS	BRUNEI BOLD
US	LOS ANGELES
SAN DIEGO	BERMUDA SCRIPT
FLORIDA	ISTANBUL

Sizes and widths ⇨ pp. 25–27

Samples of the available text sizes and widths are shown below.

Size \ Width	Wide	Medium	Narrow
72pt	ABC	ABC	ABC
60pt	ABC	ABC	ABC
48pt	ABC	ABC	ABC
36pt	ABC	ABC	ABC
24pt	ABC	ABC	ABC
18pt	ABC	ABC	ABC
12pt	ABC	ABC	ABC
9pt	ABC	ABC	ABC
6pt	ABC	ABC	ABC

Type styles ⇨ p. 28

	Normal	Bold	Outline	Solid	Shadow	Outline + Shadow	Stripe
Helsinki	ABC	ABC	ABC	ABC	ABC	ABC	ABC
Brussels	ABC	ABC	ABC	ABC	ABC	ABC	ABC
US	ABC	ABC	ABC	ABC	ABC	ABC	ABC
San Diego	ABC	ABC	ABC	ABC	ABC	ABC	ABC
Florida	ABC	ABC	ABC	ABC	ABC	ABC	ABC
Calgary	ABC	ABC	ABC	ABC	ABC	ABC	ABC
Brunei Bold	ABC	ABC	ABC	ABC	ABC	ABC	ABC
Los Angeles	ABC	ABC	ABC	ABC	ABC	ABC	ABC
Bermuda Script	ABC	ABC	ABC	ABC	ABC	ABC	ABC
Istanbul	ABC	ABC	ABC	ABC	ABC	ABC	ABC

Framing and shading patterns ⇨ p. 32

The following frame and shading patterns are available.

Frame		Shading

Background designs ⇨ p. 40

Samples of the available background designs are shown below.

OFF		**ARABIC**	
[SMALL]		**TARTAN**	
[LARGE]		**ETHNIC**	
FLOORING		**FLOWER**	
PLATE		**GEOMETRI**	
TILE		**GRADATION 1**	
MARBLES		**GRADATION 2**	

Pre-set templates ⇨ p. 41

Samples of the available templates are shown below.

No.	Category	Template name	Tape width	Label length	Sample
1	**ADDRESS**	**ADDRESS 1**	1" (24 mm)	3.1" (8.0 cm)	Smith's Rent–A–Bike 29 Green Road Monterey, CA 00000 Tel: (012) 345–6789
2		**ADDRESS 2**	1" (24 mm)	3.1" (7.8 cm)	Mike Smith 200 15th Avenue New York, NY 10000
3		**ADDRESS 3**	1" (24 mm)	4.1" (10.4 cm)	LARRY SAMPSON VB Corporation MARKETING DEPT. 555 New Heaven, Miami, FL 33333 Tel: (012) 345–6789 Fax: (012) 345–6788
4		**ADDRESS 4**	1 1/2" (36 mm)	3.4" (8.6 cm)	PETER A. ROBINS VB Corporation MARKETING DEPT. 555 New Heaven, Miami, FL 33333 Tel: (012) 345–6789 Fax: (012) 345–6788
5	**EQUIPMENT**	**EQUIPMENT**	1" (24 mm)	3.3" (8.4 cm)	PROPERTY OF SALES & MARKETING DIV. 0312
6	**PLATE**	**PLATE**	1 1/2" (36 mm)	7.3" (18.6 cm)	CONFERENCE ROOM #1
7	**NAMEPLATE**	**NAMEPLATE 1**	3/4" (18 mm)	3.4" (8.6 cm)	Bill Reynolds ABC INTERNATIONAL INC.
8		**NAMEPLATE 2**	1 1/2" (36 mm)	3.9" (9.8 cm)	LBI CORP. SALES & MARKETING DEPT. Mike Barkley
9		**NAMEPLATE 3**	3/4" (18 mm)	2.0" (5.2 cm)	MIKE BARKEY MARKETING DEPT. LBI CORP.

No.	Category	Template name	Tape width	Label length	Sample
10	**SHOP**	**SALE**	1 1/2" (36 mm)	9.7" (24.6 cm)	W•I•N•T•E•R S•A•L•E DEC. 6–23 50%OFF
11		**PRICE 1**	1" (24 mm)	2.2" (5.7 cm)	LABEL PRINTER $249
12		**PRICE 2**	1" (24 mm)	4.3" (11.0 cm)	LABEL PRINTER ~~$249~~ ➡ $229
13	**SIGN**	**SIGN**	1 1/2" (36 mm)	4.5" (11.4 cm)	CAUTION! HIGH VOLTAGE
14	**FLOPPY**	**FLOPPY 1**	1" (24 mm)	2.8" (7.0 cm)	DAILY FAXES (5) 9/99 Present J. Smith
15		**FLOPPY 2**	1" (24 mm)	2.8" (7.0 cm)	July 5, 2000 PACKAGE Design Group
16		**FLOPPY 3**	1 1/2" (36 mm)	2.8" (7.0 cm)	PRICE LIST 1995–2000 Sales Div. June 27, 2000

No.	Category	Template name	Tape width	Label length	Sample
17	**VIDEO**	**VHS 1**	3/4" (18 mm)	5.5" (14.0 cm)	CHAMPION'S CUP 90 min. STANDARD Aug. 5, 2000 MEN'S SINGLES
18		**VHS 2**	3/4" (18 mm)	5.5" (14.0 cm)	CLASSIC PARK TIME 120 min. MODE SP DATE March 7 2000
19		**8mm 1**	3/8" (9 mm)	2.9" (7.3 cm)	A SNOWY DAY Jan. 3, 2000 STANDARD Mike's first ski trip
20		**8mm 2**	1/2" (12 mm)	3.6" (9.2 cm)	Kelly's 1st Birthday 120 min. STANDARD Jan. 10, 2000 Birthday Party
21		**VHSC**	3/4" (18 mm)	3.2" (8.1 cm)	JOE&ANN'S WEDDING 120 min. NORMAL 11. 6, 2000 St. Michael's Church
22	**AUDIO**	**AUDIO 1**	3/8" (9 mm)	3.5" (8.9 cm)	60 min. Normal Position The Voice of Nature
23		**AUDIO 2**	3/8" (9 mm)	3.5" (8.9 cm)	FAVORITE LOVE SONGS Marie
24		**AUDIO 3**	3/8" (9 mm)	3.5" (8.9 cm)	OLDIES (1960–1970)
25	**SLIDE**	**SLIDE**	1/2" (12 mm)	1.7" (4.2 cm)	HAWAII Aug. 15, 2000 ISO: 70
26	**FILE**	**FILE 1**	1 1/2" (36 mm)	7.9" (20.0 cm)	'99 Market Research 1 PUBLIC RELATIONS Div. LBI CORP.
27		**FILE 2**	1" (24 mm)	7.5" (19.0 cm)	BUSINESS TRIP Technical Development Div. 2000

No.	Category	Template name	Tape width	Label length	Sample
28	**STAMP**	**NORMAL L**	STAMP L	4.4" (11.2 cm)	FAXED
29		**NORMAL M**	STAMP M	4.0" (10.2 cm)	FAXED
30		**FRAMED L**	STAMP L	4.4" (11.2 cm)	FAXED
31		**FRAMED M**	STAMP M	4.0" (10.2 cm)	FAXED
32		**2LINE L**	STAMP L	4.4" (11.2 cm)	RECEIVED Date: / /
33		**2LINE/ FRAME L**	STAMP L	4.4" (11.2 cm)	RECEIVED Date: / /
34		**VERTICAL L**	STAMP L	4.4" (11.2 cm)	ꟻ∀XƎᗡ
35		**VERTICAL M**	STAMP M	4.0" (10.2 cm)	ꟻ∀XƎᗡ

Template text styles ⇨ p. 43

Samples of the available template text styles are shown below.

CHAR. style	Sample	Font	Style	Italic
ORIGINAL	Bill Reynolds ABC INTERNATIONAL INC.	Template default		
ITALIC	*Bill Reynolds* *ABC INTERNATIONAL INC.*	Template default		ON
DYNAMIC	Bill Reynolds ABC INTERNATIONAL INC.	ISTANBUL	SOLID	OFF
CUTE	Bill Reynolds ABC INTERNATIONAL INC.	FLORIDA	OUTLINE	OFF
FORMAL	*Bill Reynolds* *ABC INTERNATIONAL INC.*	BRUSSELS	NORMAL	ON
ELEGANT	Bill Reynolds ABC INTERNATIONAL INC.	US	NORMAL	OFF
FREE	*Bill Reynolds* *ABC INTERNATIONAL INC.*	BERMUDA SCRIPT	OUTLINE + SHADOW	OFF
NATURAL	Bill Reynolds ABC INTERNATIONAL INC.	SAN DIEGO	NORMAL	OFF

Text transformation styles ⇨ p. 54

Samples of the text transformation shapes are shown below.

ABC **[OFF]**	
ABC	
ABC	
ABC	
ABC	
ABC	

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ACCESSORIES

Obtain tape cassettes from your nearest authorized dealer.
Use only Brother TZ tapes with this machine. Brother cannot be held responsible for trouble caused by the use of unauthorized supplies. Do not use tapes that do not have the TZ TAPE mark.

Stock No.	Description	QTY/PACKAGE	PRICE
36 mm (1-1/2")			
TZ161	Black Characters on Clear Tape	1	$32.95
TZ261	Black Characters on White Tape	1	$34.95
TZ461	Black Characters on Red Tape	1	$34.95
TZ561	Black Characters on Blue Tape	1	$34.95
TZ661	Black Characters on Yellow Tape	1	$34.95
TZ262	Red Characters on White Tape	1	$34.95
TZ263	Blue Characters on White Tape	1	$34.95
24 mm (1")			
TZ151	Black Characters on Clear Tape	1	$25.99
TZ251	Black Characters on White Tape	1	$28.99
TZ451	Black Characters on Red Tape	1	$28.99
TZ651	Black Characters on Yellow Tape	1	$28.99
TZB51	Black Characters on Flu. Orange Tape	1	$35.99
TZ252	Red Characters on White Tape	1	$28.99
TZ253	Blue Characters on White Tape	1	$28.99
TZ354	Gold Characters on Black Tape	1	$31.99
TZ355	White Characters on Black Tape	1	$31.99
18 mm (3/4")			
TZ141	Black Characters on Clear Tape	1	$22.99
TZM41	Black Characters on Clear (Mat) Tape	1	$24.99
TZ241	Black Characters on White Tape	1	$24.99
TZ641	Black Characters on Yellow Tape	1	$24.99
TZB41	Black Characters on Flu. Orange Tape	1	$29.99
TZ242	Red Characters on White Tape	1	$24.99
TZ243	Blue Characters on White Tape	1	$24.99
TZ344	Gold Characters on Black Tape	1	$28.99
TZ345	White Characters on Black Tape	1	$28.99
TZ545	White Characters on Blue Tape	1	$28.99

Stock No.	Description	QTY/PACKAGE	PRICE
12 mm (1/2”)			
TZ131	Black Characters on Clear Tape	1	$19.99
TZ231	Black Characters on White Tape	1	$20.99
TZM31	Black Characters on Clear (Mat) Tape	1	$20.99
TZ431	Black Characters on Red Tape	1	$20.99
TZ531	Black Characters on Blue Tape	1	$20.99
TZ631	Black Characters on Yellow Tape	1	$20.99
TZ731	Black Characters on Green Tape	1	$20.99
TZ132	Red Characters on Clear Tape	1	$19.99
TZ232	Red Characters on White Tape	1	$20.99
TZ133	Blue Characters on Clear Tape	1	$19.99
TZ233	Blue Characters on White Tape	1	$20.99
TZ334	Gold Characters on Black Tape	1	$24.99
TZ335	White Characters on Black Tape	1	$24.99
TZ435	White Characters on Red Tape	1	$24.99
9 mm (3/8”)			
TZ121	Black Characters on Clear Tape	1	$16.99
TZ221	Black Characters on White Tape	1	$19.99
TZ222	Red Characters on White Tape	1	$19.99
TZ223	Blue Characters on White Tape	1	$19.99
TZ325	White Characters on Black Tape	1	$22.99
6 mm (1/4”)			
TZ111	Black Characters on Clear Tape	1	$14.99
TZ211	Black Characters on White Tape	1	$16.99
TZ315	White Characters on Black Tape	1	$20.99

Non-laminated tapes

Stock No.	Description	QTY/PACKAGE	PRICE
18 mm (3/4”)			
TZN641	Black Characters on Yellow Tape	1	$21.99
TZN541	Black Characters on Blue Tape	1	$21.99
TZNF41	Black Characters on Purple Tape	1	$21.99
12 mm (1/2”)			
TZN631	Black Characters on Yellow Tape	1	$17.99
TZN531	Black Characters on Blue Tape	1	$17.99
TZNF31	Black Characters on Purple Tape	1	$17.99

Instant lettering tape

Stock No.	Description	QTY/PACKAGE	PRICE
18 mm (3/4”)			
TZL041	Black Characters	1	$24.99

Iron on transfer tape

Stock No.	Description	QTY/PACKAGE	PRICE
18 mm (3/4”)			
TZIY41	Black Characters	1	$31.99

Security tape

Stock No.	Description	QTY/PACKAGE	PRICE
18 mm (3/4”)			
TZSE4	Black Characters on White Tape	1	$49.95

Fabric tape

Stock No.	Description	QTY/PACKAGE	PRICE
12 mm (1/2”)			
TZFA3	Blue Characters on White Tape	1	$34.95

Stamp kit/holder

Stock No.	Description	QTY/PACKAGE	PRICE
24 mm (1”) Stamp Area -13.5 × 65 mm			
SKLB	LARGE Stamp Kit (Stamp holder + Tape cassette)	1	$54.95
SHLB	LARGE Stamp Holder	1	$27.45
18 mm (3/4”) Stamp Area -9 × 55 mm			
SKMB	MEDIUM Stamp Kit (Stamp holder + Tape cassette)	1	$49.95
SHMB	MEDIUM Stamp Holder	1	$24.95

Options

Stock No.	Description	QTY/PACKAGE	PRICE
TR9	Lettering Stick	1	$2.99

ACCESSORY ORDER FORM

This order form is provided for your convenience should your retailer not stock the item(s) needed or if you prefer to order by telephone. To order by phone, please call Brother International at 1-800-668-2768 and have your Visa or MasterCard available.

Stock No.	Description	Price	Quantity	Total
TOTAL				

Prices subject to change without notice.

Before calling:

1. Review the reverse side of this form and select the desired items.
2. Complete the order form, indicating the quantity of each item (for your records).
3. Enter the total on the "Supply/Accessory Total" line below (for your records).
4. Add appropriate sales tax and shipping/handling costs (for your records).
5. Have your Visa or MasterCard number and expiration date available.

Supply/Accessory Total		$
All Residents of Canada: Please add applicable sales taxes (G.S.T. & P.S.T.).	G.S.T	$
	P.S.T.	$
Shipping/Handling		$5.00
TOTAL DUE		$

G.S.T. # R100663764

P.S.T. # 100100117TQ0001

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Supply/Accessory Total		$
All Residents of Canada: Please add applicable sales taxes (G.S.T. & P.S.T.).	G.S.T	$
	P.S.T.	$
Shipping/Handling		$5.00
TOTAL DUE		$

G.S.T. # R100663764

P.S.T. # 100100117TQ0001

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